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1989 Virginia Traffic Crash Facts

Virginia Department of Motor Vehicles
Richmond, Virginia

Commissioner's Message

Dear Reader,

The Virginia Department of Motor Vehicles is pleased to present the 1989 edition of **Virginia Traffic Crash Facts.** Published annually, it provides a comprehensive view of traffic crashes and causes in Virginia and can be a valuable tool in problem identification, education and community activities.

This publication is the result of the cooperative efforts of the Virginia Department of Motor Vehicles, the Virginia State Police and Virginia Department of Transportation.

I hope you will find the information useful. Any comments you may have about the information or format are welcome.

Sincerely,

Donald E. Williams

Donald E. Williams
Commissioner

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Glossary

Alcohol-related crash: Crash where either a driver, bicyclist or pedestrian is listed on the police report as drinking before the crash.

Alcohol-related fatality: Person who dies within 30 days as a result of a traffic crash involving alcohol.

Crash rate: Number of crashes per 100 million vehicle miles, unless otherwise stated.

Death rate per vehicle miles traveled: Number of fatalities per 100 million vehicle miles.

Death rate per drivers: Number of fatalities per 1,000 Virginia licensed drivers.

Fatal crash: Crash which results in one or more fatalities.

Fatality: Person who dies within 30 days as a result of a traffic crash.

Percentage: Based on "known" totals within categories or actions. Does not include "unknown" or "not stated" data.

Personal injury crash: Crash which results in no fatalities but one or more persons are injured.

***Property damage crash:** Crash which results in no fatalities or injuries, but there is property damage of at least $750.

***Reportable traffic crash:** Crash on a public highway which involves death, injury or property damage in excess of $750.

Vehicle miles traveled (VMT): Total number of miles traveled on Virginia highways.

NOTE: Percentages on tables within documents are rounded and may not equal 100 percent.
*Effective July 1, 1988, cost of reportable property damage crashes increased from $500 to $750.

1989 Quick Facts
About Virginia

General Facts

- 999 persons were killed, a 6.55 percent decrease from 1988
- 79,310 persons were injured, a 2.03 percent increase from 1988
- 143,155 traffic crashes were reported, a 0.81 percent decrease from 1988
- There were 4,249,563 licensed drivers, a 2.50 percent increase from 1988
- There were 58,064,000,000 estimated vehicle miles travelled, a 1.06 percent increase from 1988
- There were 4,887,607 registered vehicles, a 2.85 percent increase from 1988

Alcohol-Related Facts

- 480 persons were killed in alcohol-related crashes, an 8.05 percent decrease from 1988*
- 13,341 persons were injured in alcohol-related crashes, a 5.86 percent decrease from 1988
- 60 teenagers, aged 15–19, were killed in alcohol-related crashes, or 6.01 percent of the total (999) traffic fatalities
- 2,081 teenagers, aged 15–19, were injured in alcohol-related crashes, or a 2.62 percent of the total (79,310) traffic injuries
- 40,661 persons were tested to determine blood alcohol content (BAC) of .10 percent or greater, a 1.17 percent increase from 1988
- The average BAC of tested drinking drivers was .1620**
- 46,977 persons were arrested for driving under the influence (DUI), a 2.03 percent increase from 1988
- Of those arrested for DUI, 87 percent were male and 13 percent were female
- 84.2 percent of those arrested for DUI were convicted in 1988; 86 percent of those arrested for DUI were convicted in 1989

NOTE: *Medical examiner data used in addition to police reports to determine alcohol-related status
**This includes an average of both breath and blood tests.

What Happened on **Virginia Roads**

In 1989:

	Total					Alcohol-Related		
Months	Crashes	Fatal Crashes	Fatalities	Personal Injury Crashes	Injuries	Crashes	Fatalities	Injuries
January	10,614	62	67	3,924	5,711	1,317	31	980
February	10,542	47	51	3,631	5,224	1,236	29	881
March	11,632	84	88	4,257	6,159	1,458	42	1,134
April	11,130	73	83	4,407	6,459	1,501	38	1,184
May	12,094	71	80	4,710	6,945	1,441	39	1,184
June	12,426	69	82	4,933	7,435	1,413	46	1,154
July	11,322	85	90	4,513	6,872	1,368	45	1,125
August	11,816	71	80	4,651	6,945	1,358	45	1,127
September	11,938	104	109	4,666	6,876	1,475	45	1,167
October	13,466	98	112	5,069	7,502	1,548	50	1,173
November	12,930	72	77	4,520	6,653	1,401	33	1,095
December	13,245	77	80	4,442	6,529	1,535	37	1,137
Totals	**143,155**	**913**	**999**	**53,723**	**79,310**	**17,051**	**480**	**13,341**

Looking Back

- fatalities have decreased 6.55 percent over the past year
- injuries have increased 2.03 percent over the past year
- crashes have decreased 0.81 percent over the past year
- Virginia's death rate has decreased 8.51 percent over the past year

On the Average

- 1 crash every 3.67 minutes
- 1 driver out of every 16.39 licensed drivers was involved in a crash
- 2.74 lives lost per day because of traffic crashes
- 217.29 persons injured per day because of traffic crashes

Speeding

	All Crashes	Alcohol-Related Crashes	Alcohol-Related Crashes Percent
Speed			
Speed Limit Exceeded	14,378	4,220	3.3
Safe Speed Exceeded	17,841	2,127	1.7
No Violation	94,479	7,987	6.3
Total	**126,698**	**14,334**	**11.3**
Not Stated	**16,457**	**2,717**	
Grand Total	**143,155**	**17,051**	

Speed of Drivers

- 2,948 drivers speeding 56-60 MPH at time of crash
- 2,747 drivers speeding 61-65 MPH at time of crash
- 678 drivers speeding 66-70 MPH at time of crash
- 934 drivers speeding over 70 MPH at time of crash

Cumulative Mileage Death Rates

	1989	1988	Percent Change
Motor Vehicle Traffic Deaths	999	1,068	-6.55
Motor Vehicle Mileage Traveled (Millions)	58,064.0*	57,453.0	+1.06
Death Rate Per 100,000,000 Vehicle Miles	1.72*	1.88	-8.51
Fatal Crashes Rate Per 100,000,000 Vehicle Miles	1.57*	1.70	-7.65

*Data for 1989 is estimated.

Crash Vehicles

	Number	Percent
Type of Crash		
Single Vehicle	41,906	29.2
Two Vehicles	89,195	62.3
Three Vehicles	9,916	6.9
Four Vehicles	1,698	1.1
Five or More	440	0.3
Total Crashes	**143,155**	**100.0**

Important Circumstances of Crashes

	Percent Total Crashes	Percent Fatal Crashes
Driver Information, All Types of Crashes		
Driver Violated Traffic Law	99.0	53.0
Driver Violated Speed Law	11.0	20.0
Driver Drinking	11.0	19.0
Driver Defective	4.0	6.0
Pedestrian Information, Pedestrian Crashes Only		
Pedestrian Violated Law	96.0	97.0
Pedestrian Drinking	17.0	29.0
Pedestrian Defective	7.0	11.0
All Crashes		
Crashes Involving Defective Vehicle	4.0	6.0

Occupation of Driver

	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Students	27,548	117	10,261	17,170
Housewives and Domestic Servants	9,837	39	3,969	5,829
Professional and Business	37,069	125	12,937	24,007
Craftsmen and Foremen	25,980	188	9,368	16,424
Farmers and Farm Laborers	1,285	13	475	797
Sales and Clerical	22,571	58	8,471	14,042
Salesmen	127	1	50	76
Other Commercial	16,109	143	5,899	10,067
All Other Workers	68,171	345	26,028	41,798
All Others	23,263	162	9,599	13,502
Air Corps	529	2	173	354
Navy	5,856	20	2,091	3,745
Army	1,255	4	434	817
Marines	640	3	217	420
Not Stated	18,979	142	7,447	11,390
Total Drivers	**259,219**	**1,362**	**97,419**	**160,438**

Crashes by Hour and Day

Fatal Crashes	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total Crashes
Midnight to 12:59 A.M.	5	2	1	4	15	12	14	53
1:00 A.M. to 1:59 A.M.	1		4	5	5	15	14	44
2:00 A.M. to 2:59 A.M.	4	1	3	6	3	23	11	51
3:00 A.M. to 3:59 A.M.	2	2	1	2	4	14	7	32
4:00 A.M. to 4:59 A.M.	1	1	1	2	1	7	6	19
5:00 A.M. to 5:59 A.M.	3	5	1	2	1	5	2	19
6:00 A.M. to 6:59 A.M.	5	6	3	4	8	6	5	37
7:00 A.M. to 7:59 A.M.	2	4	1	6	4	3		20
8:00 A.M. to 8:59 A.M.	4	4	1	4	5	1	1	20
9:00 A.M. to 9:59 A.M.	3	4	1	4	3	4	3	22
10:00 A.M. to 10:59 A.M.	5	4	5	5	3	3	2	27
11:00 A.M. to 11:59 A.M.	5	1	5	4	6	3	3	27
Noon to 12:59 P.M.	4	5	3	2	5	7	3	29
1:00 P.M. to 1:59 P.M.	6	3	4	9	6	9	5	42
2:00 P.M. to 2:59 P.M.	5	3	5	7	5	10	3	38
3:00 P.M. to 3:59 P.M.	5	10	2	3	9	5	4	38
4:00 P.M. to 4:59 P.M.	7	4	10	6	6	4	9	46
5:00 P.M. to 5:59 P.M.	11	7	3	4	16	14	11	66
6:00 P.M. to 6:59 P.M.	8	6	4	4	8	9	8	47
7:00 P.M. to 7:59 P.M.	5	6	10	5	9	14	9	58
8:00 P.M. to 8:59 P.M.	4	2	7	7	10	12	9	51
9:00 P.M. to 9:59 P.M.	3	3	4	6	9	8	8	41
10:00 P.M. to 10:59 P.M.	1	5	7	6	12	9	5	45
11:00 P.M. to 11:59 P.M.	5	3	2	3	9	12	4	38
Not Stated						1	2	3
Total Crashes	**104**	**91**	**88**	**110**	**162**	**210**	**148**	**913**

Personal Injury Crashes	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total Crashes
Midnight to 12:59 A.M.	122	98	141	143	176	361	302	1,343
1:00 A.M. to 1:59 A.M.	101	79	94	147	172	354	337	1,284
2:00 A.M. to 2:59 A.M.	76	93	95	123	129	371	287	1,174
3:00 A.M. to 3:59 A.M.	53	56	49	61	58	188	190	655
4:00 A.M. to 4:59 A.M.	51	53	47	44	48	129	135	507
5:00 A.M. to 5:59 A.M.	82	102	74	64	103	109	87	621
6:00 A.M. to 6:59 A.M.	190	245	223	200	232	152	102	1,344
7:00 A.M. to 7:59 A.M.	347	442	437	422	440	153	109	2,350
8:00 A.M. to 8:59 A.M.	387	427	432	358	441	222	110	2,377
9:00 A.M. to 9:59 A.M.	271	280	267	242	316	263	143	1,782
10:00 A.M. to 10:59 A.M.	314	259	251	308	363	335	214	2,044
11:00 A.M. to 11:59 A.M.	364	311	306	308	410	451	249	2,399
Noon to 12:59 P.M.	447	390	415	387	501	498	315	2,953
1:00 P.M. to 1:59 P.M.	430	403	363	389	475	428	378	2,866
2:00 P.M. to 2:59 P.M.	453	429	408	441	542	474	413	3,160
3:00 P.M. to 3:59 P.M.	539	603	587	552	751	534	405	3,971
4:00 P.M. to 4:59 P.M.	669	660	647	695	741	520	405	4,337
5:00 P.M. to 5:59 P.M.	645	667	661	699	775	506	441	4,394
6:00 P.M. to 6:59 P.M.	423	456	483	484	570	485	415	3,316
7:00 P.M. to 7:59 P.M.	298	322	357	374	475	422	322	2,570
8:00 P.M. to 8:59 P.M.	272	277	263	291	427	369	290	2,189
9:00 P.M. to 9:59 P.M.	263	279	266	306	442	378	265	2,199
10:00 P.M. to 10:59 P.M.	202	217	220	244	433	348	228	1,892
11:00 P.M. to 11:59 P.M.	196	172	174	203	456	431	203	1,835
Not Stated	22	17	22	21	23	34	22	161
Total Crashes	**7,217**	**7,337**	**7,282**	**7,506**	**9,499**	**8,515**	**6,367**	**53,723**

Property Damage Crashes	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total Crashes
Midnight to 12:59 A.M.	179	163	179	223	248	533	455	1,980
1:00 A.M. to 1:59 A.M.	135	150	136	184	210	423	427	1,665
2:00 A.M. to 2:59 A.M.	108	117	120	152	200	420	441	1,558
3:00 A.M. to 3:59 A.M.	66	71	75	92	105	244	262	915
4:00 A.M. to 4:59 A.M.	70	58	72	71	114	197	186	768
5:00 A.M. to 5:59 A.M.	139	173	153	150	173	196	129	1,113
6:00 A.M. to 6:59 A.M.	378	478	443	449	441	201	169	2,559
7:00 A.M. to 7:59 A.M.	657	899	834	817	796	298	122	4,423
8:00 A.M. to 8:59 A.M.	664	805	779	768	818	405	177	4,416
9:00 A.M. to 9:59 A.M.	542	549	540	496	623	499	277	3,526
10:00 A.M. to 10:59 A.M.	537	488	481	515	623	599	391	3,634
11:00 A.M. to 11:59 A.M.	609	599	557	570	762	772	372	4,241
Noon to 12:59 P.M.	726	656	652	650	907	798	500	4,889
1:00 P.M. to 1:59 P.M.	701	661	634	624	935	774	527	4,856
2:00 P.M. to 2:59 P.M.	772	738	696	743	1,042	734	544	5,269
3:00 P.M. to 3:59 P.M.	953	1,006	1,001	1,001	1,348	811	525	6,645
4:00 P.M. to 4:59 P.M.	1,122	1,032	1,157	1,166	1,513	840	526	7,356
5:00 P.M. to 5:59 P.M.	1,128	1,143	1,244	1,200	1,403	740	573	7,431
6:00 P.M. to 6:59 P.M.	664	775	864	882	950	689	546	5,370
7:00 P.M. to 7:59 P.M.	450	546	617	555	790	595	417	3,970
8:00 P.M. to 8:59 P.M.	339	427	432	419	593	534	352	3,096
9:00 P.M. to 9:59 P.M.	365	429	402	427	637	526	320	3,106
10:00 P.M. to 10:59 P.M.	243	339	299	366	606	500	249	2,602
11:00 P.M. to 11:59 P.M.	233	280	286	335	626	576	283	2,619
Not Stated	69	67	55	70	89	94	68	512
Total Crashes	**11,849**	**12,649**	**12,708**	**12,925**	**16,552**	**12,998**	**8,838**	**88,519**

Total Crashes	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total Crashes
Midnight to 12:59 A.M.	306	263	321	370	439	906	771	3,376
1:00 A.M. to 1:59 A.M.	237	229	234	336	387	792	778	2,993
2:00 A.M. to 2:59 A.M.	188	211	218	281	332	814	739	2,783
3:00 A.M. to 3:59 A.M.	121	129	125	155	167	446	459	1,602
4:00 A.M. to 4:59 A.M.	122	112	120	117	163	333	327	1,294
5:00 A.M. to 5:59 A.M.	224	280	228	216	277	310	218	1,753
6:00 A.M. to 6:59 A.M.	573	729	669	653	681	359	276	3,940
7:00 A.M. to 7:59 A.M.	1,006	1,345	1,272	1,245	1,240	454	231	6,793
8:00 A.M. to 8:59 A.M.	1,055	1,236	1,212	1,130	1,264	628	288	6,813
9:00 A.M. to 9:59 A.M.	816	833	808	742	942	766	423	5,330
10:00 A.M. to 10:59 A.M.	856	751	737	828	989	937	607	5,705
11:00 A.M. to 11:59 A.M.	978	911	868	882	1,178	1,226	624	6,667
Noon to 12:59 P.M.	1,177	1,051	1,070	1,039	1,413	1,303	818	7,871
1:00 P.M. to 1:59 P.M.	1,137	1,067	1,001	1,022	1,416	1,211	910	7,764
2:00 P.M. to 2:59 P.M.	1,230	1,170	1,109	1,191	1,589	1,218	960	8,467
3:00 P.M. to 3:59 P.M.	1,497	1,619	1,590	1,556	2,108	1,350	934	10,654
4:00 P.M. to 4:59 P.M.	1,798	1,696	1,814	1,867	2,260	1,364	940	11,739
5:00 P.M. to 5:59 P.M.	1,784	1,817	1,908	1,903	2,194	1,260	1,025	11,891
6:00 P.M. to 6:59 P.M.	1,095	1,237	1,351	1,370	1,528	1,183	969	8,733
7:00 P.M. to 7:59 P.M.	753	874	984	934	1,274	1,031	748	6,598
8:00 P.M. to 8:59 P.M.	615	706	702	717	1,030	915	651	5,336
9:00 P.M. to 9:59 P.M.	631	711	672	739	1,088	912	593	5,346
10:00 P.M. to 10:59 P.M.	446	561	526	616	1,051	857	482	4,539
11:00 P.M. to 11:59 P.M.	434	455	462	541	1,091	1,019	490	4,492
Not Stated	91	84	77	91	112	129	92	676
Total Crashes	**19,170**	**20,077**	**20,078**	**20,541**	**26,213**	**21,723**	**15,353**	**143,155**

Age and Sex of Persons Killed

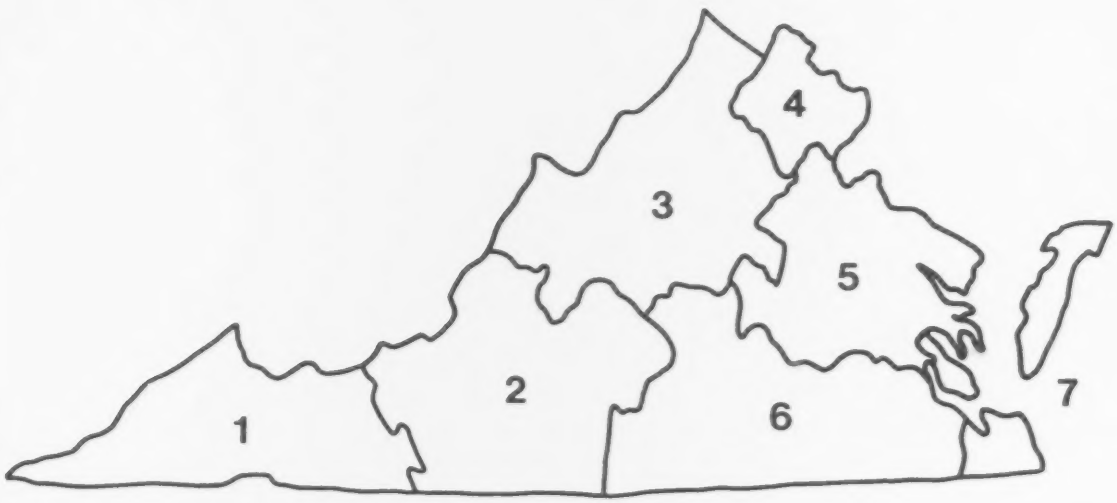
	All Persons Killed				Pedestrians Killed				Bicyclists Killed				Motorcyclists Killed			
Age	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated
Under 5	20	11	9		2	1	1									
5-9	17	11	6		5	3	2									
10-14	18	10	8		4	3	1		3	2	1					
15	10	7	3						1	1						
16	29	21	8						1	1			1	1		
17	29	18	11										1	1		
18	30	19	11		2		2						1	1		
19	35	31	4		3	2	1						2	2		
20	26	22	4		1	1			1		1		1	1		
21-25	145	117	28		11	11							6	6		
26-30	118	93	25		12	11	1		6	4	2		4	2	2	
31-35	95	68	27		14	13	1		4	4			10	9	1	
36-40	68	47	21		8	6	2		2	2			2	2		
41-45	56	38	18		12	9	3		1	1			1	1		
46-50	61	43	18		15	10	5		1	1			3	3		
51-55	35	21	14		11	9	2						1	1		
56-60	42	23	19		11	7	4									
61-65	42	23	19		11	7	4									
66-70	26	16	10		3	3			1	1						
Over 70	89	47	42		14	8	6									
Unknown	8	2	1	5	2	2			3			3				
Total	**999**	**688**	**306**	**5**	**141**	**106**	**35**		**24**	**17**	**4**	**3**	**33**	**30**	**3**	

Age and Sex of Persons Injured

	All Persons Killed				Pedestrians Killed				Bicyclists Killed				Motorcyclists Killed			
Age	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated
Under 5	1,812	926	886		125	83	42		11	10	1		5	4	1	
5–9	2,323	1,261	1,062		299	203	96		175	145	30		4	3	1	
10–14	2,782	1,403	1,377	2	239	149	90		262	214	48		33	26	6	1
15	997	451	546		44	21	23		34	31	3		10	8	2	
16	2,542	1,212	1,330		35	21	14		44	36	8		11	8	3	
17	3,008	1,469	1,538	1	49	28	21		36	30	6		41	37	4	
18	3,415	1,834	1,581		60	34	26		30	22	8		75	66	9	
19	3,354	1,860	1,494		50	31	19		28	24	4		120	112	8	
20	2,857	1,593	1,264		41	24	17		27	21	6		97	87	10	
21–25	12,690	6,888	5,801	1	245	158	87		131	111	19	1	384	349	35	
26–30	10,088	5,331	4,755	2	199	115	84		103	82	20	1	264	234	30	
31–35	7,807	3,985	3,822		189	134	55		73	65	8		163	148	15	
36–40	6,044	2,968	3,076		122	87	35		43	35	8		126	110	16	
41–45	4,559	2,094	2,465		107	71	36		26	22	4		60	54	6	
46–50	3,363	1,558	1,805		69	39	30		16	15	1		37	31	6	
51–55	2,559	1,143	1,416		62	36	26		16	15	1		11	11		
56–60	2,203	976	1,227		53	32	21		4	3	1		16	14	2	
61–65	1,938	889	1,049		39	23	16		7	5	2		6	5	1	
66–70	1,555	671	884		37	17	20		4	4			6	6		
Over 70	2,346	1,051	1,295		63	26	37		9	8	1		3	3		
Unknown	1,068	455	501	112	28	21	7		68	10	3	55	14	4	6	4
Total	**79,310**	**40,018**	**39,174**	**118**	**2,155**	**1,353**	**802**		**1,147**	**908**	**182**	**57**	**1,486**	**1,320**	**161**	**5**

What Happened in
DMV Districts in 1989

In 1989:



Jurisdiction	Total Crashes	Total Fatalities	Total Injuries	Alcohol-Related Crashes	Alcohol-Related Fatalities	Alcohol-Related Injuries	Licensed Drivers	Death Rate Per Drivers*
DMV District 1	8,145	72	5,300	995	32	838	271,160	0.26
DMV District 2	19,761	154	10,491	2,535	83	2,020	584,261	0.26
DMV District 3	13,679	142	7,500	1,707	64	1,299	421,130	0.33
DMV District 4	35,565	166	16,622	3,500	62	2,374	1,116,422	0.14
DMV District 5	25,848	181	15,256	2,925	93	2,308	736,762	0.24
DMV District 6	9,575	151	6,831	1,431	69	1,312	279,360	0.54
DMV District 7	30,559	132	17,307	3,956	77	3,189	795,387	0.16
Not Stated	1			2			45,060	
Unknown	22	1	3			1	21	
Total	**143,155**	**999**	**79,310**	**17,051**	**480**	**13,341**	**4,249,563**	

NOTE: Total figure for licensed drivers includes out-of-state residents and unknown.

*Death rate per 1,000 Virginia licensed drivers.

What Happened in **Virginia Counties**

In 1989:

Jurisdiction	Total Crashes	Total Fatalities	Total Injuries	Alcohol-Related Crashes	Alcohol-Related Fatalities	Alcohol-Related Injuries	Licensed Drivers*	Death Rate Per Drivers**
Counties								
Accomack	659	12	468	106	4	97	23,289	0.51
Albemarle	1,913	18	1,018	206	7	186	46,389	0.38
Alleghany	320	3	220	56	3	45	10,013	0.29
Amelia	159	4	119	27	1	25	6,206	0.64
Amherst	698	6	320	94	5	53	18,803	0.31
Appomattox	257	1	157	36	1	27	11,103	0.09
Arlington	3,866	14	1,700	463	5	247	129,267	0.10
Augusta	1,176	17	694	138	8	103	42,053	0.40
Bath	121	2	73	25	1	15	3,790	0.52
Bedford	931	15	530	147	8	112	33,806	0.44
Bland	166		100	23		26	4,152	
Botetourt	601	9	381	77	3	71	18,270	0.49
Brunswick	389	13	302	63	8	52	9,781	1.32
Buchanan	739	8	474	97	7	65	21,840	0.36
Buckingham	207	7	117	28	5	21	8,016	0.87
Campbell	952	11	614	160	6	143	34,768	0.31
Caroline	579	12	381	101	6	78	12,866	0.93
Carroll	616	5	367	74	1	65	19,092	0.26
Charles City	139	4	116	24	2	29	4,598	0.86
Charlotte	203	5	117	34	4	37	8,226	0.60
Chesterfield	4,330	27	2,527	453	13	369	146,356	0.18
Clarke	229	1	141	45		35	7,974	0.12
Craig	92		52	18		14	3,163	
Culpeper	702	6	373	92	3	58	19,079	0.31
Cumberland	128	3	85	18	2	11	5,403	0.55
Dickenson	303	4	235	40	2	42	11,477	0.34
Dinwiddie	365	7	280	72	7	66	14,225	0.49
Essex	302	5	173	36		35	6,365	0.78
Fairfax	18,458	66	7,955	1,621	34	1,054	599,542	0.11
Fauquier	1,329	20	757	182	3	140	35,508	0.56
Floyd	183	4	113	41	3	23	8,435	0.47
Fluvanna	227	8	144	37	3	35	8,464	0.94
Franklin	876	5	610	131	2	122	27,106	0.18
Frederick	816	12	544	136	7	129	33,445	0.35
Giles	324	6	189	52	3	36	11,748	0.51
Gloucester	568	3	443	93	2	92	20,903	0.14
Goochland	347	3	233	37	1	30	9,730	0.30
Grayson	260	5	168	39	3	28	11,760	0.42
Greene	234	3	145	23	1	22	7,002	0.42
Greensville	381	7	307	38	2	29	6,684	1.04
Halifax	699	12	498	144	4	134	20,588	0.58
Hanover	1,361	13	782	177	9	129	46,394	0.28
Henrico	4,319	22	2,412	449	11	314	155,621	0.14
Henry	1,199	22	773	162	16	144	42,576	0.51
Highland	50	2	26	10	1	13	1,932	1.03
Isle of Wight	626	11	484	107	5	116	17,606	0.62
James City	511	3	353	70	2	61	24,113	0.12
King & Queen	103	2	89	21	1	18	4,435	0.45
King George	292	8	176	60	3	33	9,018	0.88
King William	177		149	15		19	7,533	

Jurisdiction	Total Crashes	Total Fatalities	Total Injuries	Alcohol-Related Crashes	Alcohol-Related Fatalities	Alcohol-Related Injuries	Licensed Drivers*	Death Rate Per Drivers**
Counties								
Lancaster	146	2	100	34	2	29	8,410	0.23
Lee	381	6	293	52	4	50	15,474	0.38
Loudoun	2,220	25	1,097	239	4	157	64,082	0.39
Louisa	434	4	290	67	2	46	14,129	0.28
Lunenburg	159	1	95	20	1	11	7,940	0.12
Madison	216	2	127	32	2	17	7,729	0.25
Mathews	102	1	78	21		23	6,332	0.15
Mecklenburg	659	9	479	113	6	125	19,430	0.46
Middlesex	135	4	97	26	3	30	6,666	0.60
Montgomery	1,728	11	944	223	4	187	43,621	0.25
Nelson	266	3	163	34	1	24	8,764	0.34
New Kent	333	6	174	40	5	28	7,817	0.76
Northampton	268	5	187	38	3	32	8,953	0.55
Northumberland	164	2	104	33	1	17	8,130	0.24
Nottoway	233	1	136	57		43	9,523	0.10
Orange	406	9	293	54	1	51	15,335	0.58
Page	385	5	204	63	3	41	14,862	0.33
Patrick	349	7	185	67	3	52	12,129	0.57
Pittsylvania	997	15	570	136	10	155	43,347	0.34
Powhatan	213	2	133	25	1	15	9,713	0.20
Prince Edward	342	2	215	41	1	30	9,938	0.20
Prince George	497	10	362	54	2	66	16,368	0.61
Prince William	4,722	36	2,888	559	16	480	143,328	0.25
Pulaski	789	7	479	107	4	106	23,892	0.29
Rappahannock	148	2	100	19	1	16	5,030	0.39
Richmond	128	2	70	23	1	12	5,378	0.37
Roanoke	1,413	10	719	191	3	122	59,353	0.16
Rockbridge	613	12	402	71	8	63	13,427	0.89
Rockingham	994	16	615	134	6	103	41,525	0.38
Russell	477	4	384	68	2	59	18,949	0.21
Scott	426	3	323	47	2	40	15,974	0.18
Shenandoah	655	9	380	102	6	80	23,403	0.38
Smyth	542	6	280	65	1	47	22,362	0.26
Southampton	445	23	321	79	10	62	11,810	1.94
Spotsylvania	1,229	16	742	138	11	103	37,437	0.42
Stafford	1,315	7	816	224	4	179	38,629	0.18
Surry	161	3	131	24		32	4,477	0.67
Sussex	344	2	216	48	2	45	6,928	0.28
Tazewell	850	9	587	110	4	98	32,867	0.27
Warren	597	3	292	83	1	64	19,392	0.15
Washington	1,068	9	695	127	2	113	33,078	0.27
Westmoreland	257	6	202	51	2	62	11,113	0.53
Wise	730	10	463	86	3	54	28,481	0.35
Wythe	682	3	414	80	1	84	18,189	0.16
York	870	6	581	143	5	113	27,811	0.21
Total	**84,570**	**792**	**48,010**	**10,446**	**382**	**8,214**	**2,792,038**	

NOTE: Figures for counties include incorporated towns within those counties (not independent cities, however).

*Total figure for drivers in each locality includes only persons with Virginia licenses (whether revoked or suspended).

**Death rate per 1,000 Virginia licensed drivers in each locality.

What Happened in **Virginia Cities**

In 1989:

Jurisdiction	Total Crashes	Total Fatalities	Total Injuries	Alcohol-Related Crashes	Alcohol-Related Fatalities	Alcohol-Related Injuries	Licensed Drivers*	Death Rate Per Drivers**
Cities								
Alexandria	2,873	4	1,361	276		191	93,982	0.04
Bedford	113	1	36	15	1	11	3,751	0.26
Bristol	515		309	44		29	11,250	
Buena Vista	82		36	8		5	4,247	
Charlottesville	999	2	442	125		75	23,996	0.08
Chesapeake	3,220	18	2,059	393	9	352	99,281	0.18
Clifton Forge	62		30	3		5	2,918	
Colonial Heights	372		240	27		25	12,622	
Covington	150		63	13		9	4,893	
Danville	1,418	2	761	143		120	30,174	0.06
Emporia	156	1	89	24		22	2,724	0.36
Fairfax	1,137		459	86		48	16,378	
Falls Church	253		108	18		16	12,572	
Franklin	137		63	18		15	4,688	
Fredericksburg	789	3	327	76		42	13,285	0.22
Galax	273		144	30		22	4,162	
Hampton	3,207	13	1,907	371	10	317	85,686	0.15
Harrisonburg	726	1	314	46		32	15,235	0.06
Hopewell	485	2	310	60		50	15,849	0.12
Lexington	66	1	21	7	1	4	3,464	0.28
Lynchburg	2,038	9	790	209	4	143	40,623	0.22
Manassas	635	1	270	49		38	17,850	0.05
Manassas Park	72		27	7		3	3,913	
Martinsville	525	1	268	59	1	42	10,229	0.09
Newport News	3,726	13	2,215	435	8	392	104,770	0.12
Norfolk	7,993	22	4,421	1,086	15	837	132,068	0.16
Norton	117		64	13		16	2,053	
Petersburg	912	10	733	131	1	97	23,114	0.43
Poquoson	57		21	6			7,810	
Portsmouth	2,302	9	1,572	299	4	273	63,020	0.14
Radford	298	1	130	34		22	7,257	0.13
Richmond	7,715	28	4,434	666	13	538	129,005	0.21
Roanoke	2,834	8	1,188	307	3	225	66,048	0.12
Salem	614		269	54		31	16,235	
South Boston	161		83	15		12	4,156	
Staunton	434	1	179	35		15	14,430	0.06
Suffolk	1,355	18	1,049	189	8	186	33,058	0.54
Virginia Beach	8,257	34	3,876	1,079	19	776	242,699	0.14
Waynesboro	414	3	218	44	1	26	11,897	0.25
Williamsburg	294		145	32		23	6,915	
Winchester	776		266	71		41	14,137	
Total	**58,562**	**206**	**31,297**	**6,603**	**98**	**5,126**	**1,412,444**	

*Total figure for drivers in each locality includes only persons with Virginia licenses (whether revoked or suspended).

**Death rate per 1,000 Virginia licensed drivers in each locality.

What Happened in **Virginia Towns**

In 1989:

Jurisdiction	Total			Alcohol-Related		
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Towns						
Abingdon	233		112	15		5
Accomac	4		2			
Alberta	1					
Altavista	77		33	5		3
Amherst	17		5	1		1
Appalachia	20		5	2		
Appomatox	46		27	3		2
Ashland	138		51	12		5
Belle Haven						
Berryville	7		1	1		1
Big Stone Gap	75		39	10		10
Blacksburg	497	2	225	70	1	40
Blackstone	51		26	10		6
Bloxom	3			1		
Bluefield	61		31	6		5
Boones Mill	10		7	2		1
Bowling Green	7		9	2		3
Boyce						
Boydton	2		3			
Boykins	1		1			
Branchville						
Bridgewater	24	1	5	1		
Broadway	9		5	1		1
Brodnax	3		1			
Brookneal	27		19	5		5
Buchanan	4		2			
Burkeville	5		2	1		1
Cape Charles	8		5	3		2
Capron	7		4	1		
Cedar Bluff	24		16	2		2
Charlotte Courthouse	1					
Chase City	41		18	5		2
Chatham	6		2	1		1
Cheriton	8		5	2		2
Chilhowie	38		13	2		3
Chincoteague	25		12	4		3
Christiansburg	390		229	30		40
Claremont	1		3	1		3
Clarksville	27		6	2		2
Cleveland						
Clifton	1		1			
Clinchport	2		3			
Clintwood	27		20	3		4
Clover	2		1	1		1
Coeburn	55	2	33	2		3
Colonial Beach	25		13	6		5
Columbia						
Courtland	7		4	1		3
Craigsville	1		2			
Crewe	27		12	5		5

Jurisdiction	Total			Alcohol-Related		
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Towns						
Culpeper	165		68	14		7
Damascus	10		4	2		
Dayton	10		5			
Dendron	1					
Dillwyn	1		1	1		1
Drakes Branch	1					
Dublin	43		21	1		2
Duffield	1					
Dumfries	76		39	8		8
Dungannon	2		1			
Eastville	1		1			
Edinburg	2		2			
Elkton	29		3	4		1
Exmore	15		6	3		1
Farmville	98		38	6		3
Fincastle	5		1	1		
Floyd	10		3	3		1
Fries	7		4			
Front Royal	306		107	36		15
Gate City	38		16	2		
Glade Spring	9		6	2		2
Glasgow						
Glen Lyn						
Gordonsville	19		6	2		
Goshen	1		1	1		1
Gretna	19		12	3		2
Grottoes	7		2			
Grundy	63		39	1		1
Halifax	16		9	2		
Hallwood	1					
Hamilton						
Haymarket	5		2	1		1
Haysi	6		1	1		
Herndon	302		75	27		5
Hillsboro	1					
Hillsville	19		7	2		
Honaker	10		6	1		1
Hurt	11		10	1		
Independence	18		11	1		
Iron Gate	1					
Irvington						
Ivor	5	2	4	1	1	
Jarratt	4	1	3			
Jonesville	17		5	1		1
Keller	6		2	1		
Kenbridge	21		7	3		3
Keysville	2					
Kilmarnock	23		11	4		3
La Crosse	10	2	6	4	1	1
Lawrenceville	13			1		
Lebanon	30		34	2		2
Leesburg	281		143	32		19
Louisa	22		7	2		1
Lovettsville	1					
Luray	89		41	6		6
Madison						
Marion	150	1	73	8		13
McKenney						
Melfa	8		6			
Middleburg	4		1	1		
Middletown	3		4	1		
Mineral	2		1			
Monterey	1					

Jurisdiction	Total			Alcohol-Related		
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Towns						
Montross	8		14			
Mount Crawford	3		2	1		1
Mount Jackson	16		9	4		1
Narrows	22		7	2		
Nassowadox	5		5			
New Castle	4		2	1		1
New Market	16		11			
Newsoms	1		1			
Nickelsville	3		4			
Occoquan	9		2			
Onancock	11		2			
Onley	15		4	1		
Orange	47		31	6		4
Painter	4		2	1		
Pamplin City	2					
Parksley	16		11	1		2
Pearisburg	22		9	1		
Pembroke	17	1	11	1		
Pennington Gap	5	1	4	1		
Phenix	2					
Pocahontas	2		1			
Port Royal	1		3			
Pound	18		6	3		2
Pulaski	187		96	18		13
Purcellville	19		6	3		2
Quantico	1			1		
Remington	1					
Rich Creek	9		4	1		
Richlands	116		64	14		10
Ridgeway	2		2	1		
Rocky Mount	105		46	6		1
Round Hill	4		3	1		1
Rural Retreat	5		2			
Saint Charles						
Saint Paul	20		14	1		1
Saltville	33		32	4		6
Saxis						
Scottsburg	1			1		
Scottsville	4		3	1		
Shenandoah	9		9	1		2
Smithfield	87	1	39	11		7
South Hill	99		61	11		8
Stanardsville	3		2			
Stanley	12		7	3		3
Stephens City	8		3	1		
Stony Creek	2					
Strasburg	28	1	13	5	1	2
Stuart	16		6			
Surry	3		3			
Tangier						
Tappahannock	123	1	45	1		
Tazewell	86		59	10		14
The Plains	2			1		
Timberville	17		5	1		
Toms Brook	2		1			
Troutdale						
Troutville	5		7			
Urbanna						
Victoria	14		8	1		
Vienna	296		99	22		10
Vinton	137		68	15		10
Virgilina	4		2	1		
Wachapreague						

Jurisdiction	Total			Alcohol-Related		
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Towns						
Wakefield	15		8	4		2
Warrenton	208	1	94	14		6
Warsaw	41		21	6		1
Washington	2					
Waverly	10	1	4	3	1	1
Weber City	43		24			
West Point	57		31	4		3
White Stone	8		2			
Windsor	11	1	8	1		
Wise	75		32	2		3
Woodstock	75		57	4		12
Wytheville	224		99	20		15
Total	**6,544**	**19**	**3,098**	**629**	**5**	**415**

NOTE: Figures for incorporated towns are included in the counties.

Virginia Driving Trends

Summary: 1980-1989

	Death Rate*	Vehicles Registered	Gasoline Consumption**	Vehicular Mileage***	Total			Alcohol-Related****		
					Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Year										
1980	2.80	3,716,437	2,982.3	37,163	116,382	1,045	58,036	22,131	374	15,540
1981	2.80	3,823,055	2,924.4	36,348	117,981	1,012	59,788	23,072	393	16,457
1982	2.24	3,856,872	2,784.2	39,396	112,474	881	59,657	21,157	330	15,836
1983	2.20	3,925,593	2,861.4	41,920	113,672	900	63,284	19,694	336	15,131
1984	2.30	4,099,966	3,013.7	44,904	123,356	1,014	69,306	19,371	359	15,125
1985	2.10	4,292,749	3,123.0	47,928	133,326	980	74,585	19,381	479	14,880
1986	2.20	4,514,377	3,245.0	51,725	140,544	1,118	79,188	19,944	492	15,838
1987	1.90	4,660,657	3,445.9	54,834	145,473	1,022	80,114	18,878	418	15,014
1988	1.88	4,752,331	3,510.0	57,453	144,319	1,069	77,735	18,084	522	14,172
1989	1.72	4,887,607	3,519.0	58,064	143,155	999	79,310	17,051	480	13,341

*Per 100 million miles with 1989 estimated.
**In millions with 1989 estimated.
***In millions with 1989 mileage estimated.
****Determined using medical examiner data in addition to police reports beginning in 1985.

Deaths on Major Holidays

	Memorial Day	No. Days	4th of July	No. Days	Labor Day	No. Days	Thanks-giving	No. Days	Christmas	No. Days	New Years*	No. Days
Year												
1980	12	3	15	3	24	3	9	4	9	4	6	4
1981	18	3	12	3	7	3	12	4	9	3	7	3
1982	13	3	7	3	11	3	6	4	9	3	8	3
1983	10	3	10	4	10	4	15	4	7	3	7	3
1984	7	3	4	1	16	3	16	4	20	4	9	4
1985	9	3	10	4	9	3	11	4	6	2	2	2
1986	11	3	24	3	23	3	15	4	11	4	20	4
1987	13	3	11	3	13	3	17	4	9	4	12	4
1988	16	3	15	3	18	3	7	4	9	3	10	3
1989	16	3	27	4	15	3	6	4	10	3	10	3

NOTE: Deaths are for these days indicated plus the last six hours of the preceding day.
*1986-89 New Years total is not comparable to previous year's data due to changes in counting procedure.

Leading Causes of Death: 1988

Virginia	
Heart Disease	16,143
Cancer	11,088
Cerebrovascular Diseases	3,516
Pneumonia & Influenza	1,736
Chronic Obstructive Pulmonary Diseases	1,641
Motor Vehicle Accidents*	1,020
Suicide	756
Diabetes Mellitus	752
Septicemia (blood disease)	640
Chronic Liver Disease & Cirrhosis	546

United States**	
Heart Disease	760,353
Cancer	476,927
Cerebrovascular Diseases	149,835
Chronic Obstructive Pulmonary Diseases	78,380
Pneumonia & Influenza	69,225
Motor Vehicle Accidents	48,290
Diabetes Mellitus	38,532
Suicide	30,796
Chronic Liver Disease and Cirrhosis	26,201
Atherosclerosis	22,474

*Includes Virginians killed in traffic accidents outside the state. (Source: Virginia Department of Health, Virginia Center for Health Statistics.)
**These are the most recent statistics available. (Source: National Center for Health Statistics.)

Monthly Crashes/Fatalities/Injuries

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1980												
Crashes												
Fatalities	76	57	60	67	101	94	102	123	93	104	83	85
Injuries												
1981												
Crashes	7,676	10,235	8,138	8,664	9,520	9,071	10,026	11,048	8,613	9,772	9,185	16,033
Fatalities	68	79	59	82	87	96	88	99	97	74	97	86
Injuries	3,546	4,888	4,043	4,644	5,085	4,856	5,403	5,876	4,581	4,988	4,505	7,373
1982												
Crashes	10,289	8,330	8,511	9,240	10,107	9,595	9,441	8,787	8,375	9,836	9,139	10,824
Fatalities	52	47	51	82	86	79	84	64	68	105	69	94
Injuries	4,021	3,967	4,267	4,806	5,678	5,209	5,597	5,201	4,883	5,485	4,830	5,713
1983												
Crashes	7,923	7,886	8,410	9,553	9,887	9,292	9,097	9,366	9,727	10,982	10,157	11,392
Fatalities	59	50	53	72	79	79	67	84	93	113	76	75
Injuries	4,061	3,795	4,455	5,278	5,846	5,537	5,550	5,601	5,794	6,024	5,346	5,997
1984												
Crashes	9,812	8,467	8,883	9,362	10,940	10,436	10,769	10,931	10,660	10,747	11,207	11,142
Fatalities	68	75	58	75	81	93	90	76	96	110	103	89
Injuries	4,799	4,537	4,874	5,185	6,347	6,133	6,556	6,567	6,081	6,266	5,924	6,037
1985												
Crashes	10,616	8,906	10,038	9,933	11,566	11,783	11,325	11,434	10,414	12,274	12,764	12,273
Fatalities	69	57	78	81	74	95	72	83	92	104	101	74
Injuries	4,992	4,484	5,511	5,717	6,819	6,770	6,882	6,934	6,165	7,042	6,499	6,770
1986												
Crashes	10,648	9,848	10,251	10,819	11,982	11,445	11,952	13,212	10,979	13,019	13,484	12,905
Fatalities	69	62	62	69	106	115	115	115	110	108	100	87
Injuries	5,533	4,935	5,883	6,224	7,069	6,863	7,397	8,025	6,415	7,175	6,974	6,695
1987												
Crashes	10,766	10,002	10,517	12,278	12,154	12,534	11,952	12,040	12,311	13,725	13,891	13,303
Fatalities	62	57	68	86	98	81	96	108	91	112	85	78
Injuries	5,161	5,069	5,689	6,825	7,260	7,232	6,997	7,226	7,150	7,478	7,225	6,802
1988												
Crashes	12,139	10,011	11,688	11,949	13,379	12,123	11,782	11,802	11,599	13,297	12,418	12,132
Fatalities	59	56	73	88	103	92	109	96	110	102	93	88
Injuries	5,465	4,822	5,950	6,347	7,096	6,573	7,099	7,034	6,857	7,574	6,575	6,343
1989												
Crashes	10,614	10,542	11,632	11,130	12,094	12,426	11,322	11,816	11,938	13,466	12,930	13,245
Fatalities	67	51	88	83	80	82	90	80	109	112	77	80
Injuries	5,711	5,224	6,159	6,459	6,945	7,435	6,872	6,945	6,876	7,502	6,653	6,529

Estimated Economic Cost: 1984–1988

	1984	1985	1986	1987	1988
Fatalities	223.1	235.2	268.3	288.6	289.7
Injuries	644.6	686.2	855.2	963.9	1,039.0
Property Damage Crashes	89.4	97.8	137.5	135.6	150.5
Total Virginia Cost*	**960**	**1,020**	**1,260**	**1,388**	**1,479.2**
Total U.S. Cost	**96,900**	**107,300**	**118,000**	**133,200**	**143,400**

*Rounded to nearest five millions.

NOTE: Costs are in millions. U.S. costs are based on the National Safety Council's annual cost estimates.

Virginia Crashes

In 1989 there were:

- 999 persons killed
- 79,310 persons injured
- 143,155 crashes
  - 913 fatal crashes
  - 53,723 personal injury crashes
  - 88,519 property damage crashes

NOTE: This includes drivers and passengers of all motor vehicles and not fully motorized vehicles as well as pedestrians.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	7,731	3.1
Improper Passing	2,358	0.9
Left of Center — Not Passing	4,008	1.6
Failure to Yield	28,683	11.4
Inattention	27,778	11.0
Speed too Fast	17,122	6.8
Improper Turn	4,813	1.9
Improper Lane Change	2,270	0.9
Following too Close	14,579	5.8
Improper Backing	1,407	0.6
Illegal or Improper Parking	512	0.2
Lights Not On	176	0.1
Hit and Run	5,858	2.3
Avoiding Pedestrian	245	0.1
Avoiding Other Vehicle	5,355	2.1
No Violation	109,389	43.5
Other	19,335	7.7
Total	**251,619**	**100.0**
Not Stated	**7,600**	
Grand Total	**259,219**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	230,584	93.1
Drinking—Impaired	9,734	3.9
Drinking—Not Impaired	3,241	1.3
Drinking—Impairment Unknown	4,075	1.6
Total	**247,634**	**100.0**
Not Stated	**11,585**	
Grand Total	**259,219**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	241,335	97.5
Physical Defect	1,429	0.6
Ill	414	0.2
Fatigued	892	0.4
Apparently Asleep	2,417	1.0
Other	1,106	0.4
Total	**247,593**	**100.0**
Not Stated	**11,626**	
Grand Total	**259,219**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	513	127	1	641	80.2
15	236	141		377	62.6
16	4,037	3,080		7,117	56.7
17	5,207	3,564		8,771	59.4
18	6,304	3,718	1	10,023	62.9
19	6,476	3,679	1	10,156	63.8
20	5,956	3,300		9,256	64.3
21-25	27,744	15,805	3	43,552	63.7
26-30	23,401	13,726	4	37,131	63.0
31-35	18,041	11,527	1	29,569	61.0
36-40	14,354	9,406	1	23,761	60.4
41-45	11,107	7,280	1	18,388	60.4
46-50	8,199	4,985	2	13,186	62.2
51-55	6,439	3,591	1	10,031	64.2
56-60	5,485	2,859	1	8,345	65.7
61-65	4,565	2,442		7,007	65.1
66-70	3,683	1,921		5,604	65.7
Over 70	4,968	2,757	1	7,726	64.3
Unknown	258	56	8,264	8,578	
Total	**156,973**	**93,964**	**8,282**	**259,219**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	130,225	50.7
Turning Right	8,568	3.3
Turning Left	30,149	11.7
Making U-Turn	1,296	0.5
Slowing-Stopping	14,855	5.8
Ran Off Road	23,280	9.1
Stopped in Traffic	27,271	10.6
Backing	2,403	0.9
Passing	2,702	1.1
Changing Lanes	7,400	2.9
Other	8,537	3.3
Total	**256,686**	**100.0**
Not Stated	**2,533**	
Grand Total	**259,219**	

	Vehicles	Percent
Vehicle Defect		
No Defect	242,884	97.6
Lights	538	0.2
Brakes	1,807	0.7
Steering	427	0.2
Tires	1,730	0.7
Motor	530	0.2
Other	919	0.4
Total	**248,835**	**100.0**
Not Stated	**10,384**	
Grand Total	**259,219**	

The Environment

	Crashes	Percent
Weather		
Clear	77,961	54.6
Cloudy	29,137	20.4
Fog	1,511	1.1
Mist	5,129	3.6
Rain	22,609	15.8
Snow	4,443	3.1
Sleet	1,777	1.2
Smoke/Dust	14	
Other	144	0.1
Total	**142,725**	**100.0**
Not Stated	**430**	
Grand Total	**143,155**	

	Crashes	Percent
Light		
Dawn	3,232	2.3
Daylight	92,763	65.0
Dusk	4,365	3.1
Darkness (road lighted)	19,972	14.0
Darkness (road unlighted)	22,384	15.7
Total	**142,716**	**100.0**
Not Stated	**439**	
Grand Total	**143,155**	

	Crashes	Percent
Traffic Controls		
No Controls	29,168	20.5
Traffic Signals	23,481	16.5
Stop Sign	15,927	11.2
Slow/Warning Sign	1,522	1.1
Yield Sign	1,811	1.3
No Passing Zone	11,335	8.0
R.R. Warning Sign	62	
R.R. Signals	49	
R.R. Gate and Signals	55	
Other	58,766	41.3
Total	**142,176**	**100.0**
Not Stated	**979**	
Grand Total	**143,155**	

Virginia Fatalities

In 1989 there were:

- 999 persons killed

NOTE: This includes drivers and passengers of all motor vehicles and not fully motorized vehicles as well as pedestrians.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	45	3.4
Improper Passing	16	1.2
Left of Center — Not Passing	76	5.8
Failure to Yield	90	6.8
Inattention	162	12.3
Speed too Fast	278	21.1
Improper Turn	8	0.6
Improper Lane Change	8	0.6
Following too Close	6	0.5
Improper Backing		
Illegal or Improper Parking	6	0.5
Lights Not On	2	0.2
Hit and Run	33	2.5
Avoiding Pedestrian	8	0.6
Avoiding Other Vehicle	25	1.9
No Violation	458	34.8
Other	96	7.3
Total	**1,317**	**100.0**
Not Stated	**45**	
Grand Total	**1,362**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	811	72.7
Drinking—Impaired	148	13.3
Drinking—Not Impaired	15	1.3
Drinking—Impairment Unknown	142	12.7
Total	**1,116**	**100.0**
Not Stated	**246**	
Grand Total	**1,362**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	1,010	91.6
Physical Defect	20	1.8
Ill	3	0.3
Fatigued	13	1.2
Apparently Asleep	47	4.3
Other	10	0.9
Total	**1,103**	**100.0**
Not Stated	**259**	
Grand Total	**1,362**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	3	1		4	75.0
15	4	1		5	80.0
16	21	10		31	67.7
17	26	9		35	74.3
18	37	7		44	84.1
19	55	10		65	84.6
20	30	9		39	76.9
21-25	182	53		235	77.4
26-30	157	42		199	78.9
31-35	113	44	1	158	72.0
36-40	86	25		111	77.5
41-45	64	30		94	68.1
46-50	48	17		65	73.8
51-55	38	15		53	71.7
56-60	27	13		40	67.5
61-65	32	11		43	74.4
66-70	29	16		45	64.4
Over 70	47	20		67	70.1
Unknown		1	28	29	
Total	**999**	**334**	**29**	**1,362**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	717	53.0
Turning Right	12	0.9
Turning Left	72	5.3
Making U-Turn	8	0.6
Slowing-Stopping	14	1.0
Ran Off Road	374	27.6
Stopped in Traffic	41	3.0
Backing	2	0.1
Passing	29	2.1
Changing Lanes	34	2.5
Other	51	3.8
Total	**1,354**	**100.0**
Not Stated	**8**	
Grand Total	**1,362**	

	Vehicles	Percent
Vehicle Defect		
No Defect	1,174	95.1
Lights	7	0.6
Brakes	13	1.1
Steering	1	0.1
Tires	27	2.2
Motor	4	0.3
Other	9	0.7
Total	**1,235**	**100.0**
Not Stated	**127**	
Grand Total	**1,362**	

The Environment

	Crashes	Percent
Weather		
Clear	516	56.5
Cloudy	247	27.1
Fog	15	1.6
Mist	31	3.4
Rain	89	9.7
Snow	5	0.5
Sleet	8	0.9
Smoke/Dust		
Other	2	0.2
Total	**913**	**100.0**
Not Stated		
Grand Total	**913**	

	Crashes	Percent
Light		
Dawn	18	2.0
Daylight	394	43.3
Dusk	27	3.0
Darkness (road lighted)	118	13.0
Darkness (road unlighted)	352	38.7
Total	**909**	**100.0**
Not Stated	**4**	
Grand Total	**913**	

	Crashes	Percent
Traffic Controls		
No Controls	139	15.2
Traffic Signals	55	6.0
Stop Sign	69	7.6
Slow/Warning Sign	23	2.5
Yield Sign	1	0.1
No Passing Zone	164	18.0
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals	4	0.4
Other	457	50.1
Total	**912**	**100.0**
Not Stated	**1**	
Grand Total	**913**	

Virginia Crashes Involving **Alcohol**

In 1989 there were:

- 480 persons killed in alcohol-related crashes or 48.0 percent of all traffic fatalities
- 13,341 persons injured in alcohol-related crashes or 16.8 percent of all traffic injuries
- 17,051 alcohol-related crashes or 11.9 percent of all crashes
  - 438 alcohol-related fatal crashes or 48.0 percent of all fatal crashes
  - 8,797 alcohol-related personal injury crashes or 16.4 percent of all personal injury crashes
  - 7,816 alcohol-related property damage crashes or 8.8 percent of all property damage crashes

Alcohol Involvement in Fatalities and Injuries

	Fatalities	Percent of Total	Injuries	Percent of Total
All Drivers*	607		51,313	
Drinking Drivers	178	29.3	6,296	12.3
All Pedestrians*	141		2,155	
Drinking Pedestrians	41	29.1	354	16.4

NOTE: Drivers and pedestrians in alcohol-related fatal crashes are determined using available medical examiner's data as well as the police report. The term "alcohol-related" does not imply that drinking was the direct cause of the traffic crash.

* This includes the categories of all drivers and all pedestrians killed or injured in crashes (alcohol-related or non-alcohol-related).

The Drinking Driver

	Drivers	Percent
Drinking Driver Action		
Ran Traffic Control	657	3.9
Improper Passing	181	1.1
Left of Center—Not Passing	630	3.7
Failure to Yield	909	5.4
Inattention	3,621	21.5
Speed too Fast	3,423	20.3
Improper Turn	276	1.6
Improper Lane Change	90	0.5
Following too Close	500	3.0
Improper Backing	67	0.4
Illegal or Improper Parking	26	0.2
Lights Not On	35	0.2
Hit and Run	971	5.8
Avoiding Pedestrian	11	0.1
Avoiding Other Vehicle	285	1.7
No Violation	1,366	8.1
Other	3,797	22.5
Total	**16,845**	**100.0**
Not Stated	**205**	
Grand Total	**17,050**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired		
Drinking-Impaired	9,734	57.1
Drinking-Not Impaired	3,241	19.0
Drinking-Impairment Unknown	4,075	23.9
Total	**17,050**	**100.0**
Not Stated		
Grand Total	**17,050**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	14,521	88.4
Physical Defect	267	1.6
Ill	61	0.4
Fatigued	365	2.2
Apparently Asleep	616	3.8
Other	595	3.6
Total	**16,425**	**100.0**
Not Stated	**625**	
Grand Total	**17,050**	

Age	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	2	3		5	40.0
15	5	3		8	62.5
16	121	27		148	81.8
17	244	61		305	80.0
18	522	98		620	84.2
19	656	113		769	85.3
20	644	103		747	86.2
21-25	3,587	593		4,180	85.8
26-30	2,776	555		3,331	83.3
31-35	2,014	394		2,408	83.6
36-40	1,296	252		1,548	83.7
41-45	804	148	1	953	84.5
46-50	548	84		632	86.7
51-55	356	52		408	87.3
56-60	281	35		316	88.9
61-65	218	23		241	90.5
66-70	133	13		146	91.1
Over 70	101	16		117	86.3
Unknown	19	2	147	168	
Total	**14,327**	**2,575**	**148**	**17,050**	

The Drinking Pedestrian

	Pedestrians	Percent
Drinking Pedestrian Action		
Crossing Against Signal	28	7.2
Crossing Not at Crosswalk	117	30.2
Crossing With Signal	7	1.8
Walking With Traffic	52	13.4
Walking Against Traffic	17	4.4
Came Onto Road Between Parked Cars	13	3.4
	5	1.3
Getting On or Off Vehicle	5	1.3
Working On Road	42	10.9
Standing or Lying On Road	101	26.1
Total	**387**	**100.0**
Not Stated	**8**	
Total	**395**	

Drinking	Pedestrians	Percent
Pedestrian Condition		
Not Impaired		
Drinking-Impaired	217	54.9
Drinking-Not Impaired	30	7.6
Drinking-Impairment Unknown	148	37.5
Total	**395**	**100.0**
Not Stated		
Total	**395**	

Physical	Pedestrians	Percent
Pedestrian Condition		
Not Impaired	240	73.4
Physical Defect	14	4.3
Ill	4	1.2
Fatigued	13	4.0
Apparently Asleep	3	0.9
Other	53	16.2
Total	**327**	**100.0**
Not Stated	**68**	
Grand Total	**395**	

Age	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	5	3		8	62.5
15					
16	2	1		3	66.7
17	3			3	100.0
18	10	2		12	83.3
19	9	1		10	90.0
20	5	4		9	55.6
21-25	58	13		71	81.7
26-30	45	17		62	72.6
31-35	57	8		65	87.7
36-40	31	6		37	83.8
41-45	25	9		34	73.5
46-50	15	6		21	71.4
51-55	16	3		19	84.2
56-60	16	2		18	88.9
61-65	9	1		10	90.0
66-70	4			4	100.0
Over 70	3	1		4	75.0
Unknown	4	1		5	
Total	**317**	**78**		**395**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	7,969	46.9
Turning Right	514	3.0
Turning Left	1,228	7.2
Making U-Turn	71	0.4
Slowing-Stopping	287	1.7
Ran Off Road	5,553	32.7
Stopped in Traffic	246	1.4
Backing	137	0.8
Passing	221	1.3
Changing Lanes	382	2.2
Other	395	2.3
Total	**17,003**	**100.0**
Not Stated	**47**	
Grand Total	**17,050**	

	Vehicles	Percent
Vehicle Defect		
No Defect	15,982	96.0
Lights	47	0.3
Brakes	142	0.9
Steering	78	0.5
Tires	262	1.6
Motor	32	0.2
Other	99	0.6
Total	**16,642**	**100.0**
Not Stated	**408**	
Grand Total	**17,050**	

	Crashes	Percent
Light		
Dawn	190	1.1
Daylight	3,893	22.9
Dusk	521	3.1
Darkness (road lighted)	5,959	35.0
Darkness (road unlighted)	6,460	37.9
Total	**17,023**	**100.0**
Not Stated	**28**	
Grand Total	**17,051**	

The Environment

	Crashes	Percent
Weather		
Clear	10,255	60.2
Cloudy	3,547	20.8
Fog	266	1.6
Mist	674	4.0
Rain	1,924	11.3
Snow	251	1.5
Sleet	98	0.6
Smoke/Dust	1	
Other	14	0.1
Total	**17,030**	**100.0**
Not Stated	**21**	
Grand Total	**17,051**	

	Crashes	Percent
Traffic Controls		
No Controls	4,625	27.3
Traffic Signals	2,158	12.7
Stop Sign	1,116	6.6
Slow/Warning Sign	320	1.9
Yield Sign	90	0.5
No Passing Zone	1,893	11.2
R.R. Warning Sign	9	0.1
R.R. Signals	9	0.1
R.R. Gate and Signals	8	
Other	6,713	39.6
Total	**16,941**	**100.0**
Not Stated	**110**	
Grand Total	**17,051**	

Driver Condition: Drinking by Crash Type and Age

Fatal Crashes	Not Drinking	Obviously Drunk	Ability Impaired	Not Impaired	Impairment Unknown	Not Stated	Total Drivers
Age							
Under 15	4						4
15	3					2	5
16	21		2		2	6	31
17	27				2	6	35
18	23	1	2	1	11	6	44
19	39	6	6		6	8	65
20	16	3	2		7	11	39
21-25	119	26	5	4	42	39	235
26-30	101	28	10	3	28	29	199
31-35	91	16	3	2	16	30	158
36-40	63	8	5	2	15	18	111
41-45	62	7	3	1	6	15	94
46-50	38	5	2	1	2	17	65
51-55	43	4			2	4	53
56-60	30		1		1	8	40
61-65	31	2				10	43
66-70	39			1	1	4	45
Over 70	47	1			1	8	67
Unknown	4					25	29
Total Drivers	**811**	**107**	**41**	**15**	**142**	**246**	**1,362**

Personal Injury Crashes	Not Drinking	Obviously Drunk	Ability Impaired	Not Impaired	Impairment Unknown	Not Stated	Total Drivers
Age							
Under 15	495	2	1		1	76	575
15	167	1	1		1	10	180
16	2,506	18	17	13	25	34	2,613
17	3,133	47	44	27	47	45	3,343
18	3,489	94	84	69	91	67	3,894
19	3,456	114	94	76	128	72	3,940
20	3,108	112	84	70	118	66	3,558
21-25	13,865	683	472	380	613	296	16,309
26-30	11,989	658	369	264	450	228	13,958
31-35	9,865	473	254	189	286	153	11,220
36-40	7,974	340	169	103	211	121	8,918
41-45	6,268	195	95	61	93	82	6,794
46-50	4,473	148	61	45	75	80	4,882
51-55	3,533	104	42	26	47	45	3,797
56-60	2,963	66	24	21	32	41	3,147
61-65	2,469	41	31	16	23	28	2,608
66-70	2,038	30	17	11	15	24	2,135
Over 70	2,832	26	14	7	12	38	2,929
Unknown	217	12	6	10	29	2,345	2,619
Total Drivers	**84,840**	**3,164**	**1,879**	**1,388**	**2,297**	**3,851**	**97,419**

Property Damage Crashes	Not Drinking	Obviously Drunk	Ability Impaired	Not Impaired	Impairment Unknown	Not Stated	Total Drivers
Age							
Under 15	54	1				7	62
15	186	1	2	1	1	1	192
16	4,353	15	23	17	16	49	4,473
17	5,179	32	40	30	36	76	5,393
18	5,731	78	72	62	55	87	6,085
19	5,721	94	94	78	73	91	6,151
20	5,219	85	86	97	83	89	5,659
21-25	24,671	582	455	501	417	382	27,008
26-30	21,140	555	280	361	325	313	22,974
31-35	16,793	490	226	228	225	229	18,191
36-40	13,852	279	150	151	115	185	14,732
41-45	10,873	210	93	115	74	135	11,500
46-50	7,870	123	60	65	45	76	8,239
51-55	5,933	80	34	41	28	65	6,181
56-60	4,927	77	33	29	32	60	5,158
61-65	4,179	57	24	25	22	49	4,356
66-70	3,321	38	9	15	9	32	3,424
Over 70	4,636	19	13	13	11	38	4,730
Unknown	295	22	11	9	69	5,524	5,930
Total Drivers	**144,933**	**2,838**	**1,705**	**1,838**	**1,636**	**7,488**	**160,438**

All Crashes	Not Drinking	Obviously Drunk	Ability Impaired	Not Impaired	Impairment Unknown	Not Stated	Total Drivers
Age							
Under 15	553	3	1		1	83	641
15	356	2	3	1	2	13	377
16	6,880	33	42	30	43	89	7,117
17	8,339	79	84	57	85	127	8,771
18	9,242	173	158	132	157	160	10,023
19	9,216	214	194	154	207	171	10,156
20	8,343	200	172	167	208	166	9,256
21-25	38,655	1,291	932	885	1,072	717	43,552
26-30	33,230	1,241	659	628	803	570	37,131
31-35	26,749	979	483	419	527	412	29,569
36-40	21,889	627	324	256	341	324	23,761
41-45	17,203	412	191	177	173	232	18,388
46-50	12,381	276	123	111	122	173	13,186
51-55	9,509	188	76	67	77	114	10,031
56-60	7,920	143	58	50	65	109	8,345
61-65	6,679	100	55	41	45	87	7,007
66-70	5,398	68	26	27	25	60	5,604
Over 70	7,525	46	27	20	24	84	7,726
Unknown	516	34	17	19	98	7,894	8,578
Total Drivers	**230,584**	**6,109**	**3,625**	**3,241**	**4,075**	**11,585**	**259,219**

Age and Sex of Persons Killed

	All Persons Killed				Pedestrians Killed				Bicyclists Killed				Motorcyclists Killed			
Age	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated
Under 15	11	6	5		3	3										
15	2	2														
16	8	5	3										1	1		
17	10	7	3													
18	20	14	6		1		1						1	1		
19	20	17	3		1		1									
20	15	14	1													
21-25	100	84	16		8	8							3	3		
26-30	82	69	13		7	7			2	2			2	1	1	
31-35	60	46	14		9	9			2	2			8	7	1	
36-40	39	32	7		8	6	2		2	2			2	2		
41-45	33	24	9		8	6	2		1	1			1	1		
46-50	30	25	5		6	4	2		1	1			1	1		
51-55	12	9	3		7	6	1									
56-60	12	8	4		5	5										
61-65	14	12	2		5	5										
66-70	3	3														
Over 70	6	2	4		1		1									
Unknown	3			3					2			2				
Total	**480**	**379**	**98**	**3**	**69**	**59**	**10**		**10**	**8**		**2**	**19**	**17**	**2**	

Age and Sex of Persons Injured

	All Persons Injured				Pedestrians Injured				Bicyclists Injured				Motorcyclists Injured			
Age	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated
Under 15	544	270	274		21	12	9		10	7	3		3	2	1	
15	109	60	49		1	1			1	1						
16	251	145	106		4	3	1		1	1			2	2		
17	428	257	171		3	3			2	1	1		3	2	1	
18	595	407	188		17	14	3		3	3			5	4	1	
19	698	511	187		15	13	2		1	1			18	18		
20	597	434	163		12	8	4		3	2	1		20	18	2	
21-25	3,012	2,239	773		81	66	15		27	26	1		101	92	9	
26-30	2,210	1,607	603		63	44	19		21	16	5		75	70	5	
31-35	1,511	1,085	426		69	59	10		12	11	1		48	47	1	
36-40	1,046	746	300		35	29	6		8	8			34	32	2	
41-45	686	432	254		35	26	9		3	2	1		5	3	2	
46-50	528	352	176		22	14	8		5	5			4	4		
51-55	299	217	82		15	12	3		4	4			1	1		
56-60	234	166	68		18	14	4		1	1			2	1	1	
61-65	173	123	50		8	6	2		1	1						
66-70	118	73	45		6	5	1						1	1		
Over 70	124	66	58		8	5	3									
Unknown	178	101	65	12	8	7	1		2			2	4	3	1	
Total	**13,341**	**9,291**	**4,038**	**12**	**441**	**341**	**100**		**105**	**90**	**13**	**2**	**326**	**300**	**26**	

Virginia Crashes Involving **Automobiles**

In 1989 there were:

- 610 automobile occupants killed or 61.1 percent of all traffic fatalities
- 59,319 automobile occupants injured or 74.8 percent of all traffic injuries
- 123,307 automobile crashes or 86.1 percent of all crashes
  - 690 fatal crashes or 75.6 percent of all fatal crashes
  - 46,082 personal injury crashes or 85.8 percent of all personal injury crashes
  - 76,535 property damage crashes or 86.5 percent of all property damage crashes
- 3,347,008 automobiles were registered in Virginia with 3.7 percent involved in crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	6,091	3.3
Improper Passing	1,647	0.9
Left of Center — Not Passing	2,302	1.3
Failure to Yield	22,902	12.5
Inattention	20,040	10.9
Speed too Fast	12,292	6.7
Improper Turn	3,200	1.7
Improper Lane Change	1,225	0.7
Following too Close	10,876	5.9
Improper Backing	576	0.3
Illegal or Improper Parking	350	0.2
Lights Not On	119	0.1
Hit and Run	2,514	1.4
Avoiding Pedestrian	173	0.1
Avoiding Other Vehicle	3,715	2.0
No Violation	81,728	44.5
Other	13,945	7.6
Total	**183,695**	**100.0**
Not Stated	**5,034**	
Grand Total	**188,729**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	171,765	93.1
Drinking—Impaired	6,948	3.8
Drinking—Not Impaired	2,426	1.3
Drinking—Impairment Unknown	2,869	1.6
Total	**184,008**	**100.0**
Not Stated	**4,721**	
Grand Total	**188,729**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	179,166	97.4
Physical Defect	1,109	0.6
Ill	320	0.2
Fatigued	684	0.4
Apparently Asleep	1,817	1.0
Other	832	0.5
Total	**183,928**	**100.0**
Not Stated	**4,801**	
Grand Total	**188,729**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	65	30		95	68.4
15	138	123		261	52.9
16	3,211	2,845		6,056	53.0
17	4,177	3,341		7,518	55.6
18	4,876	3,464		8,340	58.5
19	4,790	3,420		8,210	58.3
20	4,343	3,050		7,393	58.7
21-25	18,757	14,384	2	33,143	56.6
26-30	14,312	12,161	2	26,475	54.1
31-35	10,607	9,925		20,532	51.7
36-40	8,450	8,106		16,556	51.0
41-45	6,525	6,397		12,922	50.5
46-50	4,689	4,500		9,189	51.0
51-55	3,724	3,281		7,005	53.2
56-60	3,403	2,662	1	6,066	56.1
61-65	3,021	2,306		5,327	56.7
66-70	2,655	1,846		4,501	59.0
Over 70	4,026	2,699		6,725	59.9
Unknown	149	43	2,223	2,415	
Total	**101,918**	**84,583**	**2,228**	**188,729**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	96,135	51.2
Turning Right	5,935	3.2
Turning Left	23,533	12.5
Making U-Turn	954	0.5
Slowing-Stopping	10,754	5.7
Ran Off Road	16,486	8.8
Stopped in Traffic	20,488	10.9
Backing	1,135	0.6
Passing	1,780	0.9
Changing Lanes	4,596	2.4
Other	6,075	3.2
Total	**187,871**	**100.0**
Not Stated	**858**	
Grand Total	**188,729**	

	Vehicles	Percent
Vehicle Defect		
No Defect	181,014	97.9
Lights	323	0.2
Brakes	1,058	0.6
Steering	285	0.2
Tires	1,247	0.7
Motor	409	0.2
Other	550	0.3
Total	**184,886**	**100.0**
Not Stated	**3,843**	
Grand Total	**188,729**	

The Environment

	Crashes	Percent
Weather		
Clear	67,421	54.8
Cloudy	25,010	20.3
Fog	1,195	1.0
Mist	4,430	3.6
Rain	19,981	16.2
Snow	3,512	2.9
Sleet	1,388	1.1
Smoke/Dust	11	
Other	110	0.1
Total	**123,058**	**100.0**
Not Stated	**249**	
Grand Total	**123,307**	

	Crashes	Percent
Light		
Dawn	2,662	2.2
Daylight	81,697	66.4
Dusk	3,867	3.1
Darkness (road lighted)	17,406	14.1
Darkness (road unlighted)	17,430	14.2
Total	**123,062**	**100.0**
Not Stated	**245**	
Grand Total	**123,307**	

	Crashes	Percent
Traffic Controls		
No Controls	22,879	18.7
Traffic Signals	22,011	18.0
Stop Sign	14,764	12.1
Slow/Warning Sign	1,188	1.0
Yield Sign	1,694	1.4
No Passing Zone	9,020	7.4
R.R. Warning Sign	49	
R.R. Signals	37	
R.R. Gate and Signals	38	
Other	50,830	41.5
Total	**122,510**	**100.0**
Not Stated	**797**	
Grand Total	**123,307**	

Virginia Crashes Involving **Bicycles**

In 1989 there were:

- 24 bicycle riders killed in bicycle/motor vehicle crashes or 2.4 percent of all traffic fatalities
- 1,147 bicycle riders in bicycle/motor vehicle crashes or 1.4 percent of all traffic injuries
- 1,197 bicycle/motor vehicle crashes or 0.8 percent of all crashes
  - 24 fatal crashes or 2.6 percent of all fatal crashes
  - 1,147 personal injury crashes or 2.1 percent of all personal injury crashes
  - 26 property damage crashes or 0.0 percent of all property damage crashes

The Bicyclist

	Drivers	Percent
Driver Action		
Ran Traffic Control	105	10.0
Improper Passing	14	1.3
Left of Center — Not Passing	79	7.5
Failure to Yield	166	15.8
Inattention	141	13.4
Speed too Fast	8	0.8
Improper Turn	51	4.9
Improper Lane Change	25	2.4
Following too Close	2	0.2
Improper Backing	1	0.1
Illegal or Improper Parking		
Lights Not On	16	1.5
Hit and Run	6	0.6
Avoiding Pedestrian		
Avoiding Other Vehicle	11	1.0
No Violation	307	29.2
Other	119	11.3
Total	**1,051**	**100.0**
Not Stated	**154**	
Grand Total	**1,205**	

Drinking	Drivers	Percent
Bicyclist Condition		
Not Impaired	977	92.5
Drinking—Impaired	43	4.1
Drinking—Not Impaired	6	0.6
Drinking—Impairment Unknown	30	2.8
Total	**1,056**	**100.0**
Not Stated	**149**	
Grand Total	**1,205**	

Physical	Drivers	Percent
Bicyclist Condition		
Not Impaired	1,021	97.8
Physical Defect Ill Fatigued Apparently Asleep	6	0.6
Other	17	1.6
Total	**1,044**	**100.0**
Not Stated	**161**	
Grand Total	**1,205**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 5	6	1		7	85.7
5-9	142	30		172	82.6
10-14	219	50		269	81.4
15	34	3		37	91.9
16	36	8		44	81.8
17	32	6		38	84.2
18	26	6		32	81.3
19	26	4		30	86.7
20	22	7		29	75.9
21-25	113	22	1	136	83.7
26-30	88	21	1	110	80.7
31-35	72	10		82	87.8
36-40	38	9		47	80.9
41-45	24	5		29	82.8
46-50	16	1		17	94.1
51-55	16	1		17	94.1
56-60	5	1		6	83.3
61-65	5	2		7	71.4
66-70	5			5	100.0
Over 70	8	1		9	88.9
Unknown	9	3	70	82	
Total	**942**	**191**	**72**	**1,205**	

The Bicycle

	Bicycles	Percent
Bicycle Action		
Going Straight	714	65.9
Turning Right	49	4.5
Turning Left	100	9.2
Making U-Turn	10	0.9
Slowing-Stopping	4	0.4
Ran Off Road	9	0.8
Stopped in Traffic	12	1.1
Backing	2	0.2
Passing	11	1.0
Changing Lanes	46	4.2
Other	126	11.6
Total	**1,083**	**100.0**
Not Stated	**122**	
Grand Total	**1,205**	

	Bicycles	Percent
Bicycle Defect		
No Defect	946	93.4
Lights	15	1.5
Brakes	32	3.2
Steering	3	0.3
Tires		
Other	17	1.7
Total	**1,013**	**100.0**
Not Stated	**192**	
Grand Total	**1,205**	

The Environment

	Crashes	Percent
Weather		
Clear	857	71.7
Cloudy	225	18.8
Fog		
Mist	22	1.8
Rain	88	7.4
Snow	2	0.2
Sleet		
Smoke/Dust		
Other	2	0.2
Total	**1,196**	**100.0**
Not Stated	**1**	
Grand Total	**1,197**	

	Crashes	Percent
Light		
Dawn	31	2.6
Daylight	900	75.2
Dusk	55	4.6
Darkness (road lighted)	169	14.1
Darkness (road unlighted)	42	3.5
Total	**1,197**	**100.0**
Not Stated		
Grand Total	**1,197**	

	Crashes	Percent
Traffic Controls		
No Controls	367	30.9
Traffic Signals	175	14.7
Stop Sign	267	22.5
Slow/Warning Sign	6	0.5
Yield Sign	11	0.9
No Passing Zone	41	3.5
R.R. Warning Sign	1	0.1
R.R. Signals	1	0.1
R.R. Gate and Signals		
Other	318	26.8
Total	**1,187**	**100.0**
Not Stated	**10**	
Grand Total	**1,197**	

Virginia Crashes Involving **Buses**

In 1989 there were:

- 0 bus occupants killed or 0.0 percent of all traffic fatalities
- 280 bus occupants injured or 0.4 percent of all traffic injuries
- 537 bus crashes or 0.4 percent of all crashes
  - 5 fatal crashes or 0.5 percent of all fatal crashes
  - 209 personal injury crashes or 0.4 percent of all personal injury crashes
  - 323 property damage crashes or 0.4 percent of all property damage crashes
- 1,127 buses were registered in Virginia with 47.6 percent involved in crashes.

NOTE: This table includes city transit and intercity buses but excludes school buses.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	6	1.1
Improper Passing	6	1.1
Left of Center — Not Passing	1	0.2
Failure to Yield	33	6.3
Inattention	36	6.9
Speed too Fast	14	2.7
Improper Turn	26	5.0
Improper Lane Change	7	1.3
Following too Close	18	3.4
Improper Backing	5	1.0
Illegal or Improper Parking	1	0.2
Lights Not On		
Hit and Run	4	0.8
Avoiding Pedestrian		
Avoiding Other Vehicle	8	1.5
No Violation	325	62.0
Other	34	6.5
Total	**524**	**100.0**
Not Stated	**20**	
Grand Total	**544**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	527	99.1
Drinking—Impaired	5	0.9
Drinking—Not Impaired		
Drinking—Impairment Unknown		
Total	**532**	**100.0**
Not Stated	**12**	
Grand Total	**544**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	524	99.2
Physical Defect	1	0.2
Ill		
Fatigued		
Apparently Asleep	1	0.2
Other	2	0.4
Total	**528**	**100.0**
Not Stated	**16**	
Grand Total	**544**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15					
16					
17					
18	1			1	100.0
19	4	1		5	80.0
20	4			4	100.0
21-25	19	16		35	54.3
26-30	41	24		65	63.1
31-35	32	39		71	45.1
36-40	63	35		98	64.3
41-45	62	16		78	79.5
46-50	50	15		65	76.9
51-55	34	5		39	87.2
56-60	36	4		40	90.0
61-65	14	3		17	82.4
66-70	14			14	100.0
Over 70	1			1	100.0
Unknown	1		10	11	
Total	**376**	**158**	**10**	**544**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	254	47.0
Turning Right	43	7.9
Turning Left	50	9.2
Making U-Turn		
Slowing-Stopping	38	7.0
Ran Off Road	4	0.7
Stopped in Traffic	91	16.8
Backing	8	1.5
Passing	6	1.1
Changing Lanes	21	3.9
Other	26	4.8
Total	**541**	**100.0**
Not Stated	**3**	
Grand Total	**544**	

	Vehicles	Percent
Vehicle Defect		
No Defect	522	97.6
Lights	1	0.2
Brakes	6	1.1
Steering		
Tires	1	0.2
Motor	1	0.2
Other	4	0.7
Total	**535**	**100.0**
Not Stated	**9**	
Grand Total	**544**	

The Environment

	Crashes	Percent
Weather		
Clear	288	53.7
Cloudy	105	19.6
Fog	5	0.9
Mist	17	3.2
Rain	80	14.9
Snow	33	6.2
Sleet	6	1.1
Smoke/Dust		
Other	2	0.4
Total	**536**	**100.0**
Not Stated	**1**	
Grand Total	**537**	

	Crashes	Percent
Light		
Dawn	12	2.2
Daylight	426	79.5
Dusk	14	2.6
Darkness (road lighted)	65	12.1
Darkness (road unlighted)	19	3.5
Total	**536**	**100.0**
Not Stated	**1**	
Grand Total	**537**	

	Crashes	Percent
Traffic Controls		
No Controls	75	14.0
Traffic Signals	125	23.4
Stop Sign	68	12.7
Slow/Warning Sign	3	0.6
Yield Sign	10	1.9
No Passing Zone	15	2.8
R.R. Warning Sign	2	0.4
R.R. Signals	1	0.2
R.R. Gate and Signals		
Other	235	44.0
Total	**534**	**100.0**
Not Stated	**3**	
Grand Total	**537**	

Virginia Crashes Involving **Mopeds**

In 1989 there were:

- 2 moped riders killed in moped/motor vehicle crashes or 0.2 percent of all traffic fatalities
- 237 moped riders injured in moped/motor vehicle crashes or 0.3 percent of all traffic injuries
- 353 moped/motor vehicle crashes or 0.2 percent of all crashes
  - 5 fatal crashes or 0.5 percent of all fatal crashes
  - 224 personal injury crashes or 0.4 percent of all personal injury crashes
  - 124 property damage crashes or 0.1 percent of all property damage crashes

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	23	6.7
Improper Passing	7	2.0
Left of Center — Not Passing	10	2.9
Failure to Yield	54	15.7
Inattention	41	11.9
Speed too Fast	18	5.2
Improper Turn	15	4.3
Improper Lane Change	3	0.9
Following too Close	10	2.9
Improper Backing	1	0.3
Illegal or Improper Parking	1	0.3
Lights Not On	3	0.9
Hit and Run	3	0.9
Avoiding Pedestrian	2	0.6
Avoiding Other Vehicle	3	0.9
No Violation	110	31.9
Other	41	11.9
Total	**345**	**100.0**
Not Stated	**10**	
Grand Total	**355**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	312	89.7
Drinking—Impaired	25	7.2
Drinking—Not Impaired	4	1.1
Drinking—Impairment Unknown	7	2.0
Total	**348**	**100.0**
Not Stated	**7**	
Grand Total	**355**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	336	96.0
Physical Defect Ill Fatigued	1	0.3
Apparently Asleep	3	0.9
Other	10	2.9
Total	**350**	**100.0**
Not Stated	**5**	
Grand Total	**355**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 5					
5-9					
10-14	25	5		30	83.3
15	12	1		13	92.3
16	27	5		32	84.4
17	18	4		22	81.8
18	8	8		16	50.0
19	7	5		12	58.3
20	6	1		7	85.7
21-25	40	16		56	71.4
26-30	22	11		33	66.7
31-35	17	8		25	68.0
36-40	20	11		31	64.5
41-45	13	4		17	76.5
46-50	15	4		19	78.9
51-55	7	3		10	70.0
56-60	4	2		6	66.7
61-65	7	2		9	77.8
66-70	6	1		7	85.7
Over 70	3	2		5	60.0
Unknown	2		3	5	
Total	**259**	**93**	**3**	**355**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	208	58.9
Turning Right	16	4.5
Turning Left	52	14.7
Making U-Turn	2	0.6
Slowing-Stopping	13	3.7
Ran Off Road	19	5.4
Stopped in Traffic	19	5.4
Backing	2	0.6
Passing	3	0.8
Changing Lanes	9	2.5
Other	10	2.8
Total	**353**	**100.0**
Not Stated	**2**	
Grand Total	**355**	

	Vehicles	Percent
Vehicle Defect		
No Defect	334	96.0
Lights	4	1.1
Brakes	6	1.7
Steering	1	0.3
Tires	1	0.3
Motor		
Other	2	0.6
Total	**348**	**100.0**
Not Stated	**7**	
Grand Total	**355**	

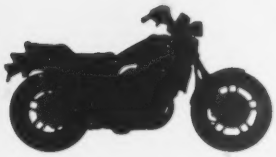
The Environment

	Crashes	Percent
Weather		
Clear	224	63.8
Cloudy	86	24.5
Fog		
Mist	8	2.3
Rain	27	7.7
Snow	5	1.4
Sleet	1	0.3
Smoke/Dust		
Other		
Total	**351**	**100.0**
Not Stated	**2**	
Grand Total	**353**	

	Crashes	Percent
Light		
Dawn	4	1.1
Daylight	258	73.7
Dusk	19	5.4
Darkness (road lighted)	48	13.7
Darkness (road unlighted)	21	6.0
Total	**350**	**100.0**
Not Stated	**5**	
Grand Total	**353**	

	Crashes	Percent
Traffic Controls		
No Controls	99	28.2
Traffic Signals	67	19.1
Stop Sign	55	15.7
Slow/Warning Sign		
Yield Sign	3	0.9
No Passing Zone	16	4.6
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals		
Other	111	31.6
Total	**351**	**100.0**
Not Stated	**2**	
Grand Total	**353**	

Virginia Crashes Involving **Motorcycles**



In 1989 there were:

- 33 motorcycle occupants killed or 3.3 percent of all traffic fatalities
- 1,486 motorcycle occupants injured or 1.9 percent of all injuries
- 1,580 motorcycle crashes or 1.1 percent of all crashes
  - 33 fatal crashes or 3.6 percent of all fatal crashes
  - 1,363 personal injury crashes or 2.5 percent of all personal injury crashes
  - 179 property damage crashes or 0.2 percent of all property damage crashes
- 61,411 motorcycles were registered in Virginia with 2.6 percent involved in crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	30	1.9
Improper Passing	36	2.3
Left of Center — Not Passing	23	1.5
Failure to Yield	57	3.7
Inattention	214	13.8
Speed too Fast	256	16.5
Improper Turn	23	1.5
Improper Lane Change	2	0.1
Following too Close	46	3.0
Improper Backing	1	0.1
Illegal or Improper Parking	4	0.3
Lights Not On	3	0.2
Hit and Run	9	0.6
Avoiding Pedestrian	3	0.2
Avoiding Other Vehicle	49	3.2
No Violation	573	37.0
Other	221	14.3
Total	**1,550**	**100.0**
Not Stated	**47**	
Grand Total	**1,597**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	1,252	82.0
Drinking—Impaired	128	8.4
Drinking—Not Impaired	35	2.3
Drinking—Impairment Unknown	112	7.3
Total	**1,527**	**100.0**
Not Stated	**70**	
Grand Total	**1,597**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	1,508	98.6
Physical Defect	9	0.6
Ill	1	0.1
Fatigued	1	0.1
Apparently Asleep	5	0.3
Other	5	0.3
Total	**1,529**	**100.0**
Not Stated	**68**	
Grand Total	**1,597**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	19	2	1	22	86.4
15	7	2		9	77.8
16	8	1		9	88.9
17	39	1		40	97.5
18	65	1		66	98.5
19	127	7		134	94.8
20	98	1		99	99.0
21–25	393	11		404	97.3
26–30	274	15		289	94.8
31–35	197	10		207	95.2
36–40	125	5		130	96.2
41–45	71			71	100.0
46–50	39	3		42	92.9
51–55	15	1		16	93.8
56–60	17	1		18	94.4
61–65	6	2		8	75.0
66–70	7	1		8	87.5
Over 70	5	2		7	71.4
Unknown	2		16	18	
Total	**1,514**	**66**	**17**	**1,597**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	951	60.0
Turning Right	52	3.3
Turning Left	99	6.2
Making U-Turn	10	0.6
Slowing-Stopping	47	3.0
Ran Off Road	277	17.5
Stopped in Traffic	41	2.6
Backing	1	0.1
Passing	34	2.1
Changing Lanes	36	2.3
Other	37	2.3
Total	**1,585**	**100.0**
Not Stated	**12**	
Grand Total	**1,597**	

	Vehicles	Percent
Vehicle Defect		
No Defect	1,462	94.5
Lights	4	0.3
Brakes	13	0.8
Steering	4	0.3
Tires	34	2.2
Motor	9	0.6
Other	21	1.4
Total	**1,547**	**100.0**
Not Stated	**50**	
Grand Total	**1,597**	

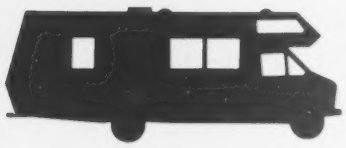
The Environment

	Crashes	Percent
Weather		
Clear	1,155	73.1
Cloudy	316	20.0
Fog	12	0.8
Mist	18	1.1
Rain	68	4.3
Snow	4	0.3
Sleet	3	0.2
Smoke/Dust		
Other	3	0.2
Total	**1,579**	**100.0**
Not Stated	**1**	
Grand Total	**1,580**	

	Crashes	Percent
Light		
Dawn	35	2.2
Daylight	984	62.4
Dusk	62	3.9
Darkness (road lighted)	295	18.7
Darkness (road unlighted)	200	12.7
Total	**1,576**	**100.0**
Not Stated	**4**	
Grand Total	**1,580**	

	Crashes	Percent
Traffic Controls		
No Controls	405	25.8
Traffic Signals	198	12.6
Stop Sign	180	11.5
Slow/Warning Sign	23	1.5
Yield Sign	14	0.9
No Passing Zone	148	9.4
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals	1	0.1
Other	600	38.2
Total	**1,569**	**100.0**
Not Stated	**11**	
Grand Total	**1,580**	

Virginia Crashes Involving
Motorhomes/Recreational Vehicles



In 1989 there were:

- 0 motorhomes/recreational vehicles occupants killed or 0.0 percent of all traffic fatalities
- 23 motorhomes/recreational vehicles occupants injured or 0.0 percent of all traffic injuries
- 107 motorhomes/recreational vehicle crashes or 0.1 percent of all crashes
  - 0 fatal crashes or 0.0 percent of all fatal crashes
  - 31 personal injury crashes or 0.1 percent of all personal injury crashes
  - 76 property damage crashes or 0.1 percent of all property damage crashes
- 12,919 motorhomes were registered in Virginia with 0.8 percent involved in crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control		
Improper Passing	1	1.0
Left of Center — Not Passing		
Failure to Yield	12	11.5
Inattention	23	22.1
Speed too Fast	5	4.8
Improper Turn	10	9.6
Improper Lane Change	5	4.8
Following too Close	4	3.8
Improper Backing	2	1.9
Illegal or Improper Parking		
Lights Not On		
Hit and Run	1	1.0
Avoiding Pedestrian		
Avoiding Other Vehicle		
No Violation	36	34.6
Other	5	4.8
Total	**104**	**100.0**
Not Stated	**3**	
Grand Total	**107**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	101	96.2
Drinking—Impaired	2	1.9
Drinking—Not Impaired	1	1.0
Drinking—Impairment Unknown	1	1.0
Total	**105**	**100.0**
Not Stated	**2**	
Grand Total	**107**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	101	96.2
Physical Defect Ill	3	2.9
Fatigued Apparently Asleep	1	1.0
Other		
Total	**105**	**100.0**
Not Stated	**2**	
Grand Total	**107**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15					
16					
17	1			1	100.0
18					
19					
20					
21-25	2			2	100.0
26-30	5	2		7	71.4
31-35	5			5	100.0
36-40	6	2		8	75.0
41-45	6	1		7	85.7
46-50	7			7	100.0
51-55	14	1		15	93.3
56-60	9	2		11	81.8
61-65	15	1		16	93.8
66-70	14	1		15	93.3
Over 70	10	2		12	83.3
Unknown			1	1	
Total	**94**	**12**	**1**	**107**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	45	42.9
Turning Right	5	4.8
Turning Left	15	14.3
Making U-Turn	4	3.8
Slowing-Stopping	6	5.7
Ran Off Road	9	8.6
Stopped in Traffic	7	6.7
Backing	2	1.9
Passing	3	2.9
Changing Lanes	8	7.6
Other	1	1.0
Total	**105**	**100.0**
Not Stated	**2**	
Grand Total	**107**	

	Vehicles	Percent
Vehicle Defect		
No Defect	103	97.2
Lights		
Brakes	2	1.9
Steering		
Tires		
Motor		
Other	1	0.9
Total	**106**	**100.0**
Not Stated	**1**	
Grand Total	**107**	

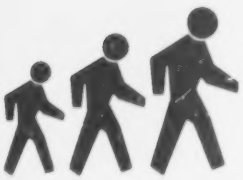
The Environment

	Crashes	Percent
Weather		
Clear	61	57.0
Cloudy	30	28.0
Fog	1	0.9
Mist	4	3.7
Rain	8	7.5
Snow	3	2.8
Sleet		
Smoke/Dust		
Other		
Total	**107**	**100.0**
Not Stated		
Grand Total	**107**	

	Crashes	Percent
Light		
Dawn		
Daylight	85	79.4
Dusk	2	1.9
Darkness (road lighted)	7	6.5
Darkness (road unlighted)	13	12.1
Total	**107**	**100.0**
Not Stated		
Grand Total	**107**	

	Crashes	Percent
Traffic Controls		
No Controls	10	9.4
Traffic Signals	14	13.2
Stop Sign	8	7.5
Slow/Warning Sign	3	2.8
Yield Sign		
No Passing Zone	9	8.5
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals		
Other	62	58.5
Total	**106**	**100.0**
Not Stated	**1**	
Grand Total	**107**	

Virginia Crashes Involving **Pedestrians**



In 1989 there were:

- 141 pedestrians killed in pedestrian/motor vehicle crashes or 14.1 percent of all traffic fatalities
- 2,155 pedestrians injured in pedestrian/motor vehicle crashes or 2.7 percent of all traffic injuries
- 2,182 pedestrian/motor vehicle crashes or 1.5 percent of all crashes
  - 137 fatal crashes or 15.0 percent of all fatal crashes
  - 2,045 personal injury crashes or 3.8 percent of all personal injury crashes

The Pedestrian

	Pedestrians	Percent
Pedestrian Action		
Crossing Against Signal	104	4.7
Crossing Not at Crosswalk	610	27.5
Crossing With Signal	120	5.4
Walking With Traffic	142	6.4
Walking Against Traffic	56	2.5
Came Onto Road Between Parked Cars	205	9.2
Getting On or Off Vehicle	31	1.4
Working on Road	64	2.9
Standing or Lying on Road	178	8.0
Other	712	32.0
Total	**2,222**	**100.0**
Not Stated	**74**	
Grand Total	**2,296**	

Drinking	Pedestrians	Percent
Pedestrian Condition		
Not Impaired	1,653	80.7
Drinking—Impaired	217	10.6
Drinking—Not Impaired	30	1.5
Drinking—Impairment Unknown	148	7.2
Total	**2,048**	**100.0**
Not Stated	**248**	
Grand Total	**2,296**	

Physical	Pedestrians	Percent
Pedestrians Condition		
Not Impaired	1,835	91.3
Physical Defect	51	2.5
Ill	5	0.2
Fatigued	22	1.1
Apparently Asleep	3	0.1
Other	93	4.6
Total	**2,009**	**100.0**
Not Stated	**287**	
Grand Total	**2,296**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 5	82	43		125	65.6
5-9	206	98		304	67.8
10-14	152	91		243	62.6
15	21	23		44	47.7
16	21	14		35	60.0
17	28	21		49	57.1
18	34	28		62	54.8
19	33	20		53	62.3
20	25	17		42	59.5
21-25	169	87		256	66.0
26-30	126	85		211	59.7
31-35	147	56		203	72.4
36-40	93	37		130	71.5
41-45	80	39		119	67.2
46-50	49	35		84	58.3
51-55	45	28		73	61.6
56-60	39	25		64	60.9
61-65	30	20		50	60.0
66-70	20	20		40	50.0
Over 70	34	43		77	44.2
Unknown	25	7		32	
Total	**1,459**	**837**		**2,296**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	1,604	68.9
Turning Right	133	5.7
Turning Left	130	5.6
Making U-Turn	7	0.3
Slowing-Stopping	48	2.1
Ran Off Road	80	3.4
Stopped in Traffic	78	3.4
Backing	91	3.9
Passing	16	0.7
Changing Lanes	26	1.1
Other	114	4.9
Total	**2,327**	**100.0**
Not Stated	**31**	
Grand Total	**2,358**	

NOTE: This format for pedestrians is based on action of the vehicle striking pedestrian.

	Vehicles	Percent
Vehicle Defect		
No Defect	1,973	97.0
Lights	5	0.2
Brakes	19	0.9
Steering	2	0.1
Tires	10	0.5
Motor	9	0.4
Other	16	0.8
Total	**2,034**	**100.0**
Not Stated	**324**	
Grand Total	**2,358**	

The Environment

	Crashes	Percent
Weather		
Clear	1,416	65.2
Cloudy	422	19.4
Fog	13	0.6
Mist	54	2.5
Rain	213	9.8
Snow	43	2.0
Sleet	12	0.6
Smoke/Dust		
Other		
Total	**2,173**	**100.0**
Not Stated	**9**	
Grand Total	**2,182**	

	Crashes	Percent
Light		
Dawn	41	1.9
Daylight	1,260	57.9
Dusk	86	4.0
Darkness (road lighted)	517	23.8
Darkness (road unlighted)	272	12.5
Total	**2,176**	**100.0**
Not Stated	**6**	
Grand Total	**2,182**	

	Crashes	Percent
Traffic Controls		
No Controls	782	36.3
Traffic Signals	302	14.0
Stop Sign	99	4.6
Slow/Warning Sign	25	1.2
Yield Sign	112	5.2
No Passing Zone	14	0.6
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals		
Other	822	38.1
Total	**2,156**	**100.0**
Not Stated	**26**	
Grand Total	**2,182**	

Virginia Crashes Involving
Pickups and Passenger Trucks

In 1989 there were:

- 119 pick-up/passenger truck occupants killed or 11.9 percent of all traffic fatalities
- 9,459 pick-up/passenger truck occupants injured or 11.9 percent of all traffic injuries
- 33,849 pick-up/passenger truck crashes or 23.6 percent of all crashes
  - 205 fatal crashes or 22.5 percent of all fatal crashes
  - 12,062 personal injury crashes or 22.5 percent of all personal injury crashes
  - 21,582 property damage crashes or 24.4 percent of all property damage crashes
- 743,288 pick-up/passenger were registered in Virginia with 4.6 percent involved in crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	899	2.5
Improper Passing	339	0.9
Left of Center — Not Passing	775	2.2
Failure to Yield	3,294	9.2
Inattention	4,356	12.1
Speed too Fast	3,231	9.0
Improper Turn	608	1.7
Improper Lane Change	208	0.6
Following too Close	2,165	6.0
Improper Backing	254	0.7
Illegal or Improper Parking	65	0.2
Lights Not On	17	
Hit and Run	597	1.7
Avoiding Pedestrian	43	0.1
Avoiding Other Vehicle	875	2.4
No Violation	15,474	43.1
Other	2,691	7.5
Total	**35,891**	**100.0**
Not Stated	**852**	
Grand Total	**36,743**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	32,082	90.1
Drinking—Impaired	2,100	5.9
Drinking—Not Impaired	571	1.6
Drinking—Impairment Unknown	837	2.4
Total	**35,590**	**100.0**
Not Stated	**1,153**	
Grand Total	**36,743**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	34,599	97.2
Physical Defect	190	0.5
Ill	61	0.2
Fatigued	142	0.4
Apparently Asleep	420	1.2
Other	171	0.5
Total	**35,583**	**100.0**
Not Stated	**1,160**	
Grand Total	**36,743**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	7	6		13	53.8
15	27	8		35	77.1
16	614	147		761	80.7
17	770	154		924	83.3
18	1,063	191		1,254	84.8
19	1,173	192		1,365	85.9
20	1,062	178		1,240	85.6
21-25	5,346	987		6,333	84.4
26-30	5,019	937		5,956	84.3
31-35	3,873	735		4,608	84.0
36-40	3,125	515		3,640	85.9
41-45	2,351	358		2,709	86.8
46-50	1,748	226		1,974	88.6
51-55	1,412	134		1,546	91.3
56-60	1,149	86		1,235	93.0
61-65	949	67		1,016	93.4
66-70	665	35		700	95.0
Over 70	719	38		757	95.0
Unknown	25	5	647	677	
Total	**31,097**	**4,999**	**647**	**36,743**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	18,138	49.6
Turning Right	1,075	2.9
Turning Left	3,612	9.9
Making U-Turn	131	0.4
Slowing-Stopping	2,276	6.2
Ran Off Road	4,562	12.5
Stopped in Traffic	3,966	10.8
Backing	399	1.1
Passing	432	1.2
Changing Lanes	788	2.2
Other	1,195	3.3
Total	**36,574**	**100.0**
Not Stated	**169**	
Grand Total	**36,743**	

	Vehicles	Percent
Vehicle Defect		
No Defect	34,996	97 8
Lights	97	0.3
Brakes	199	0.6
Steering	62	0.2
Tires	265	0.7
Motor	54	0.2
Other	125	0.3
Total	**35,798**	**100.0**
Not Stated	**945**	
Grand Total	**36,743**	

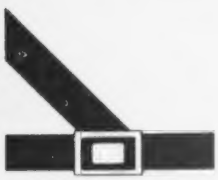
The Environment

	Crashes	Percent
Weather		
Clear	17,907	53.0
Cloudy	7,073	20.9
Fog	366	1.1
Mist	1,230	3.6
Rain	5,425	16.1
Snow	1,256	3.7
Sleet	483	1.4
Smoke/Dust	3	
Other	35	
Total	**33,778**	**100.0**
Not Stated	**71**	
Grand Total	**33,849**	

	Crashes	Percent
Light		
Dawn	872	2.6
Daylight	23,115	68.4
Dusk	979	2.9
Darkness (road lighted)	3,627	10.7
Darkness (road unlighted)	5,191	15.4
Total	**33,784**	**100.0**
Not Stated	**65**	
Grand Total	**33,849**	

	Crashes	Percent
Traffic Controls		
No Controls	6,957	20.7
Traffic Signals	5,370	16.0
Stop Sign	3,699	11.0
Slow/Warning Sign	329	1.0
Yield Sign	441	1.3
No Passing Zone	3,383	10.1
R.R. Warning Sign	13	
R.R. Signals	12	
R.R. Gate and Signals	19	0.1
Other	13,429	39.9
Total	**33,652**	**100.0**
Not Stated	**197**	
Grand Total	**33,849**	

Virginia Crashes Involving
Safety Belts/Child Safety Seats



In 1989 there were:

		Restraints								
	No Restraints	Lap Belt	Harness	Lap Belt & Harness	Child Safety Seat	Air Bag	Other	Total	Not Stated	Grand Total
Fatalities	563	18	11	155	1		2	750	38	788
Percent	75.1	2.4	1.5	20.7	0.1		0.3	100.0		
Injuries	21,937	6,055	3,985	37,806	567	45	148	70,543	2,807	73,350
Percent	31.1	8.6	5.6	53.6	0.8	0.1	0.2	100.0		
Total	22,500	6,073	3,996	36,961	568	45	150	71,293	1,845	74,138
Percent	31.6	8.5	5.6	53.2	0.8	0.1	0.2	100.0		

NOTE: This excludes fatalities and injuries in vehicles not equipped with safety belts, such as motorcycles, mopeds, bicycles and buses.

Fatalities

		Restraints								
	No Restraints	Lap Belt	Harness	Lap Belt & Harness	Child Safety Seat	Air Bag	Other	Total	Not Stated	Grand Total
Under 1	2						1	3	1	4
1										
2	2							2		2
3	4			1	1			6		6
4	3			2				5		5
5-9	9	1		2				12		12
10-14	9	1						10		10
15	6			1				7	1	8
16	18	3		6				27		27
17	19			8				27	1	28
18	24			3				27		27
19	24		1	3				28	2	30
20	19			3				22		22
21-25	103		3	13				119	7	126
26-30	80			12			1	93	3	96
31-35	45	3	1	11				60	7	67
36-40	39	1	1	10				51	4	55
41-45	28	1		10				39	3	42
46-50	38	1		7				46	2	48
51-55	10			6				16	1	17
56-60	23		1	6				30		30
61-65	18			11				29	1	30
66-70	8	2		8				18	3	21
Over 70	31	5	3	32				71	2	73
Unknown	1		1					2		2

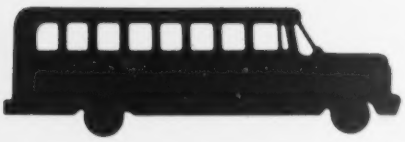
Injuries

	Restraints								
	No Restraints	Lap Belt	Harness	Lap Belt & Harness	Child Safety Seat	Air Bag	Other	Total	Not Stated	Grand Total
Under 1	89	12	4	20	190	1	4	320	2	322
1	47	27		19	156	2		251	6	257
2	114	46	8	46	121		1	336	8	344
3	129	68	5	74	57		1	334	10	344
4	145	101	11	94	23			374	8	382
5-9	767	430	41	432	10	1	1	1,682	53	1,735
10-14	992	314	71	563			3	1,943	74	2,017
15	448	76	36	289				849	15	864
16	895	217	116	1,108		1	1	2,338	65	2,403
17	1,159	193	140	1,273			3	2,768	80	2,848
18	1,270	235	169	1,435			8	3,117	104	3,221
19	1,263	179	152	1,432		3	5	3,034	98	3,132
20	950	180	130	1,319		2	3	2,584	95	2,679
21-25	3,832	796	624	6,075		7	26	11,360	462	11,822
26-30	2,688	684	538	5,109		4	24	9,047	391	9,438
31-35	1,853	538	398	4,192		4	6	6,991	310	7,301
36-40	1,316	422	358	3,335		5	16	5,452	239	5,691
41-45	907	328	281	2,636		2	6	4,160	164	4,324
46-50	788	296	233	2,277		3	9	3,606	131	3,737
51-55	391	157	115	1,152		2	2	1,819	89	1,908
56-60	399	186	131	1,299		2	5	2,022	84	2,106
61-65	338	172	136	1,142		3	7	1,798	63	1,861
66-70	287	122	103	918			6	1,436	49	1,485
Over 70	509	187	149	1,301		1	6	2,153	97	2,250
Unknown	361	89	36	266	10	2	5	769	110	879

Total Fatalities and Injuries

	Restraints								
	No Restraints	Lap Belt	Harness	Lap Belt & Harness	Child Safety Seat	Air Bag	Other	Total	Not Stated	Grand Total
Under 1	91	12	4	20	190	1	5	323	3	326
1	47	27		19	156	2		251	6	257
2	116	46	8	46	121		1	338	8	346
3	133	68	5	75	58		1	340	10	350
4	148	101	11	96	23			379	8	387
5-9	776	431	41	434	10	1	1	1,694	53	1,747
10-14	1,001	315	71	563			3	1,953	74	2,027
15	454	76	36	290				856	16	872
16	913	220	116	1,114		1	1	2,365	65	2,430
17	1,178	193	140	1,281			3	2,795	81	2,876
18	1,294	235	169	1,438			8	3,144	104	3,248
19	1,287	179	153	1,435		3	5	3,062	100	3,162
20	969	180	130	1,322		2	3	2,606	95	2,701
21-25	3,935	796	627	6,088		7	26	11,479	469	11,948
26-30	2,768	684	538	5,121		4	25	9,140	394	9,534
31-35	1,898	541	399	4,203		4	6	7,051	317	7,368
36-40	1,355	423	359	3,345		5	16	5,503	243	5,746
41-45	935	329	281	2,646		2	6	4,199	167	4,366
46-50	826	297	233	2,284		3	9	3,652	133	3,785
51-55	401	157	115	1,158		2	2	1,835	90	1,925
56-60	422	186	132	1,305		2	5	2,052	84	2,136
61-65	356	172	136	1,153		3	7	1,827	64	1,891
66-70	295	124	103	926			6	1,454	52	1,506
Over 70	540	192	152	1,333		1	6	2,224	99	2,323
Unknown	362	89	37	266	10	2	5	771	110	881

Virginia Crashes Involving **School Buses**



In 1989 there were:

- 0 school bus occupants killed or 0.0 percent of all traffic fatalities
- 433 school bus occupants injured or 0.5 percent of all traffic injuries
- 659 school bus crashes or 0.5 percent of all crashes
  - 3 fatal crashes or 0.3 percent of all fatal crashes
  - 216 personal injury crashes or 0.4 percent of all personal injury crashes
  - 440 property damage crashes or 0.5 percent of all property damage crashes
- 13,790 school buses were registered in Virginia with 4.8 percent involved in crashes.
  - 0 persons were killed getting on or off of school buses.
  - 0 persons were injured getting on or off of school buses.

NOTE: Data after 1987 not comparable to previous years due to changes in counting procedures.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	10	1.6
Improper Passing	2	0.3
Left of Center — Not Passing	8	1.2
Failure to Yield	39	6.1
Inattention	48	7.5
Speed too Fast	15	2.3
Improper Turn	29	4.5
Improper Lane Change	1	0.2
Following too Close	12	1.9
Improper Backing	29	4.5
Illegal or Improper Parking	2	0.3
Lights Not On		
Hit and Run	2	0.3
Avoiding Pedestrian	2	0.3
Avoiding Other Vehicle	12	1.9
No Violation	386	60.0
Other	46	7.2
Total	**643**	**100.0**
Not Stated	**25**	
Grand Total	**668**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	657	100.0
Drinking—Impaired		
Drinking—Not Impaired		
Drinking—Impairment Unknown		
Total	**657**	**100.0**
Not Stated	**11**	
Grand Total	**668**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	654	99.5
Physical Defect	2	0.3
Ill		
Fatigued		
Apparently Asleep	1	0.2
Other		
Total	**657**	**100.0**
Not Stated	**11**	
Grand Total	**668**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15					
16					
17					
18	1			1	100.0
19	2	1		3	66.7
20	3	2		5	60.0
21-25	17	31		48	35.4
26-30	25	65		90	27.8
31-35	23	98		121	19.0
36-40	19	80		99	19.2
41-45	10	59		69	14.5
46-50	24	42		66	36.4
51-55	18	41		59	30.5
56-60	31	26		57	54.4
61-65	14	11		25	56.0
66-70	13	4		17	76.5
Over 70	4			4	100.0
Unknown			4	4	
Total	**204**	**460**	**4**	**668**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	292	44.0
Turning Right	36	5.4
Turning Left	86	13.0
Making U-Turn	1	0.2
Slowing-Stopping	40	6.0
Ran Off Road	23	3.5
Stopped in Traffic	108	16.3
Backing	37	5.6
Passing	3	0.5
Changing Lanes	8	1.2
Other	29	4.4
Total	**663**	**100.0**
Not Stated	**5**	
Grand Total	**668**	

	Vehicles	Percent
Vehicle Defect		
No Defect	648	98.8
Lights		
Brakes	5	0.8
Steering		
Tires	1	0.2
Motor	2	0.3
Other		
Total	**656**	**100.0**
Not Stated	**12**	
Grand Total	**668**	

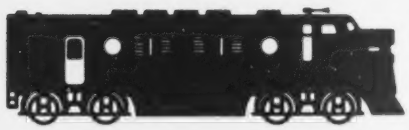
The Environment

	Crashes	Percent
Weather		
Clear	344	52.2
Cloudy	132	20.0
Fog	11	1.7
Mist	21	3.2
Rain	121	18.4
Snow	27	4.1
Sleet	3	0.5
Smoke/Dust		
Other		
Total	**659**	**100.0**
Not Stated		
Grand Total	**659**	

	Crashes	Percent
Light		
Dawn	17	2.6
Daylight	618	93.8
Dusk	2	0.3
Darkness (road lighted)	12	1.8
Darkness (road unlighted)	10	1.5
Total	**659**	**100.0**
Not Stated		
Grand Total	**659**	

	Crashes	Percent
Traffic Controls		
No Controls	190	28.9
Traffic Signals	99	15.1
Stop Sign	109	16.6
Slow/Warning Sign	9	1.4
Yield Sign	14	2.1
No Passing Zone	41	6.2
R.R. Warning Sign		
R.R. Signals	1	0.2
R.R. Gate and Signals	2	0.3
Other	192	29.2
Total	**657**	**100.0**
Not Stated	**2**	
Grand Total	**659**	

Virginia Crashes Involving **Trains/Vehicles**



In 1989 there were:

- 5 persons killed in train/vehicle crashes or 0.5 percent of all traffic fatalities
- 38 persons injured in train/vehicle crashes or 0.0 percent of all traffic injuries
- 70 train/vehicle crashes or 0.0 percent of all crashes
  - 4 fatal crashes or 0.4 percent of all fatal crashes
  - 29 personal injury crashes or 0.1 percent of all personal injury crashes
  - 37 property damage crashes or 0.0 percent of all property damage crashes

NOTE: Bicycles, mopeds, and pedestrians are included only when a motor vehicle is involved.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	12	18.5
Improper Passing		
Left of Center — Not Passing	1	1.5
Failure to Yield	10	15.4
Inattention	21	32.3
Speed too Fast	2	3.1
Improper Turn		
Improper Lane Change		
Following too Close		
Improper Backing		
Illegal or Improper Parking	1	1.5
Lights Not On		
Hit and Run		
Avoiding Pedestrian		
Avoiding Other Vehicle	1	1.5
No Violation	4	6.2
Other	13	20.0
Total	**65**	**100.0**
Not Stated	**5**	
Grand Total	**70**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	52	80.0
Drinking—Impaired	5	7.7
Drinking—Not Impaired	5	7.7
Drinking—Impairment Unknown	3	4.6
Total	**65**	**100.0**
Not Stated	**5**	
Grand Total	**70**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	58	87.9
Physical Defect	5	7.6
Ill		
Fatigued	2	3.0
Apparently Asleep		
Other	1	1.5
Total	**66**	**100.0**
Not Stated	**4**	
Grand Total	**70**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15					
16	1			1	100.0
17	1			1	100.0
18	1			1	100.0
19	5	1		6	83.3
20		2		2	
21-25	9	4		13	69.2
26-30	8	1		9	88.9
31-35	5	3		8	62.5
36-40	4	4		8	50.0
41-45	8	1		9	88.9
46-50	3			3	100.0
51-55	3			3	100.0
56-60					
61-65	1	1		2	50.0
66-70					
Over 70	1	1		2	50.0
Unknown			2	2	
Total	**50**	**18**	**2**	**70**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	45	64.3
Turning Right	1	1.4
Turning Left	1	1.4
Making U-Turn		
Slowing-Stopping	4	5.7
Ran Off Road	2	2.9
Stopped in Traffic	10	14.3
Backing		
Passing		
Changing Lanes		
Other	7	10.0
Total	**70**	**100.0**
Not Stated		
Grand Total	**70**	

	Vehicles	Percent
Vehicle Defect		
No Defect	65	95.6
Lights		
Brakes		
Steering		
Tires		
Motor	2	2.9
Other	1	1.5
Total	**68**	**100.0**
Not Stated	**2**	
Grand Total	**70**	

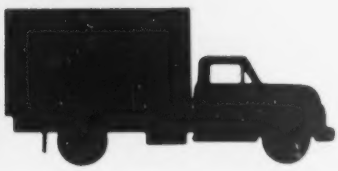
The Environment

	Crashes	Percent
Weather		
Clear	43	61.4
Cloudy	13	18.6
Fog		
Mist	2	2.9
Rain	12	17.1
Snow		
Sleet		
Smoke/Dust		
Other		
Total	**70**	**100.0**
Not Stated		
Grand Total	**70**	

	Crashes	Percent
Light		
Dawn	4	5.7
Daylight	35	50.0
Dusk	1	1.4
Darkness (road lighted)	16	22.9
Darkness (road unlighted)	14	20.0
Total	**70**	**100.0**
Not Stated		
Grand Total	**70**	

	Crashes	Percent
Traffic Controls		
No Controls	4	5.7
Traffic Signals	1	1.4
Stop Sign	3	4.3
Slow/Warning Sign	1	1.4
Yield Sign		
No Passing Zone	1	1.4
R.R. Warning Sign	21	30.0
R.R. Signals	17	24.3
R.R. Gate and Signals	17	24.3
Other	5	7.1
Total	**70**	**100.0**
Not Stated		
Grand Total	**70**	

Virginia Crashes Involving **Straight Trucks**



In 1989 there were:

- 17 straight truck occupants killed or 1.7 percent of all traffic fatalities.
- 1,264 straight truck occupants injured or 1.6 percent of all traffic injuries.
- 9,093 straight truck crashes or 6.4 percent of all crashes.
  - 62 fatal crashes or 6.8 percent of all fatal crashes.
  - 2,946 personal injury crashes or 5.5 percent of all personal injury crashes.
  - 6,085 property damage crashes or 6.9 percent of all property damage crashes.
  - 384 covered straight truck crashes or 4.2 percent of all straight truck crashes.
- 73 persons were killed in straight truck crashes, 56 (76.7 percent) were not straight truck occupants.
- 145,793 straight trucks were registered in Virginia with 6.2 percent involved in crashes.

NOTE: The category of straight trucks includes: straight, flat bed, dump, and tractor (w/o trailer) trucks and wreckers.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	204	2.2
Improper Passing	97	1.0
Left of Center — Not Passing	130	1.4
Failure to Yield	770	8.3
Inattention	1,030	11.1
Speed too Fast	410	4.4
Improper Turn	315	3.4
Improper Lane Change	143	1.5
Following too Close	615	6.6
Improper Backing	291	3.1
Illegal or Improper Parking	41	0.4
Lights Not On	6	0.1
Hit and Run	121	1.3
Avoiding Pedestrian	6	0.1
Avoiding Other Vehicle	253	2.7
No Violation	3,892	41.8
Other	979	10.5
Total	**9,303**	**100.0**
Not Stated	**265**	
Grand Total	**9,568**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	9,008	96.8
Drinking—Impaired	167	1.8
Drinking—Not Impaired	72	0.8
Drinking—Impairment Unknown	63	0.7
Total	**9,310**	**100.0**
Not Stated	**258**	
Grand Total	**9,568**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	9,167	98.6
Physical Defect	39	0.4
Ill	12	0.1
Fatigued	18	0.2
Apparently Asleep	40	0.4
Other	24	0.3
Total	**9,300**	**100.0**
Not Stated	**268**	
Grand Total	**9,568**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15	2			2	100.0
16	43	11		54	79.6
17	67	15		82	81.7
18	121	16		137	88.3
19	178	18		196	90.8
20	234	21		255	91.8
21-25	1,654	127		1,781	92.9
26-30	1,679	105		1,784	94.1
31-35	1,394	92		1,486	93.8
36-40	936	60		996	94.0
41-45	700	47		747	93.7
46-50	571	24	1	596	96.0
51-55	500	19		519	96.3
56-60	332	10		342	97.1
61-65	215	3		218	98.6
66-70	114	2		116	98.3
Over 70	72	1		73	98.6
Unknown	15		169	184	
Total	**8,827**	**571**	**170**	**9,568**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	4,660	48.9
Turning Right	548	5.8
Turning Left	948	10.0
Making U-Turn	66	0.7
Slowing-Stopping	632	6.6
Ran Off Road	568	6.0
Stopped in Traffic	876	9.2
Backing	378	4.0
Passing	94	1.0
Changing Lanes	405	4.3
Other	352	3.7
Total	**9,527**	**100.0**
Not Stated	**41**	
Grand Total	**9,568**	

	Vehicles	Percent
Vehicle Defect		
No Defect	8,771	94.0
Lights	49	0.5
Brakes	286	3.1
Steering	32	0.3
Tires	74	0.8
Motor	25	0.3
Other	89	1.0
Total	**9,326**	**100.0**
Not Stated	**242**	
Grand Total	**9,568**	

The Environment

	Crashes	Percent
Weather		
Clear	5,060	55.7
Cloudy	1,957	21.6
Fog	65	0.7
Mist	312	3.4
Rain	1,329	14.6
Snow	279	3.1
Sleet	67	0.7
Smoke/Dust		
Other	11	0.1
Total	**9,080**	**100.0**
Not Stated	**13**	
Grand Total	**9,093**	

	Crashes	Percent
Light		
Dawn	219	2.4
Daylight	7,372	81.2
Dusk	190	2.1
Darkness (road lighted)	697	7.7
Darkness (road unlighted)	603	6.6
Total	**9,081**	**100.0**
Not Stated	**12**	
Grand Total	**9,093**	

	Crashes	Percent
Traffic Controls		
No Controls	1,530	16.9
Traffic Signals	1,797	19.9
Stop Sign	876	9.7
Slow/Warning Sign	89	1.0
Yield Sign	138	1.5
No Passing Zone	570	6.3
R.R. Warning Sign	3	
R.R. Signals	5	0.1
R.R. Gate and Signals	5	0.1
Other	4,032	44.6
Total	**9,045**	**100.0**
Not Stated	**48**	
Grand Total	**9,093**	

Virginia Crashes Involving **Tractor-Trailers**

In 1989 there were:

- 14 tractor-trailer occupants killed or 1.4 percent of all traffic fatalities
- 467 tractor-trailer occupants injured or 0.6 percent of all traffic injuries
- 3,657 tractor-trailer crashes or 2.6 percent of all crashes
  - 61 fatal crashes or 6.7 percent of all fatal crashes
  - 1,301 personal injury crashes or 2.4 percent of all personal injury crashes
  - 2,295 property damage crashes or 2.6 percent of all property damage crashes
  - 592 covered tractor-trailer crashes or 16.2 percent of all tractor-trailer crashes
- 68 persons were killed in tractor-trailer crashes. 54 (79.4 percent) were not tractor-trailer occupants.
- 86,762 tractor-trailers were registered in Virginia with 4.2 percent involved in crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	43	1.1
Improper Passing	37	1.0
Left of Center — Not Passing	65	1.7
Failure to Yield	160	4.3
Inattention	521	13.9
Speed too Fast	301	8.0
Improper Turn	214	5.7
Improper Lane Change	205	5.5
Following too Close	183	4.9
Improper Backing	88	2.4
Illegal or Improper Parking	17	0.5
Lights Not On	1	
Hit and Run	79	2.1
Avoiding Pedestrian	3	0.1
Avoiding Other Vehicle	157	4.2
No Violation	1,410	37.7
Other	260	6.9
Total	**3,744**	**100.0**
Not Stated	**62**	
Grand Total	**3,806**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	3,598	99.1
Drinking—Impaired	19	0.5
Drinking—Not Impaired	6	0.2
Drinking—Impairment Unknown	6	0.2
Total	**3,629**	**100.0**
Not Stated	**177**	
Grand Total	**3,806**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	3,549	97.9
Physical Defect	6	0.2
Ill	7	0.2
Fatigued	9	0.2
Apparently Asleep	53	1.5
Other	2	0.1
Total	**3,626**	**100.0**
Not Stated	**180**	
Grand Total	**3,806**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	2			2	100.0
15					
16	1	1		2	50.0
17	1			1	100.0
18	3			3	100.0
19	7			7	100.0
20	15			15	100.0
21-25	371	9		380	97.6
26-30	645	13		658	98.0
31-35	551	17		568	97.0
36-40	537	11		548	98.0
41-45	447	6		453	98.7
46-50	406	5		411	98.8
51-55	297	5		302	98.3
56-60	178			178	100.0
61-65	89			89	100.0
66-70	21			21	100.0
Over 70	11			11	100.0
Unknown	10		147	157	
Total	**3,592**	**67**	**147**	**3,806**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	1,651	43.6
Turning Right	252	6.7
Turning Left	227	6.0
Making U-Turn	24	0.6
Slowing-Stopping	208	5.5
Ran Off Road	459	12.1
Stopped in Traffic	178	4.7
Backing	112	3.0
Passing	82	2.2
Changing Lanes	479	12.6
Other	117	3.1
Total	**3,789**	**100.0**
Not Stated	**17**	
Grand Total	**3,806**	

	Vehicles	Percent
Vehicle Defect		
No Defect	3,400	93.9
Lights	14	0.4
Brakes	119	3.3
Steering	7	0.2
Tires	28	0.8
Motor	2	0.1
Other	52	1.4
Total	**3,622**	**100.0**
Not Stated	**184**	
Grand Total	**3,806**	

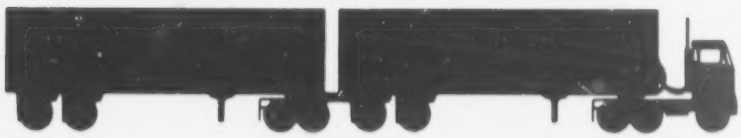
The Environment

	Crashes	Percent
Weather		
Clear	1,970	53.9
Cloudy	773	21.2
Fog	60	1.6
Mist	98	2.7
Rain	494	13.5
Snow	180	4.9
Sleet	76	2.1
Smoke/Dust	1	
Other	1	
Total	**3,653**	**100.0**
Not Stated	**4**	
Grand Total	**3,657**	

	Crashes	Percent
Light		
Dawn	96	2.6
Daylight	2,545	69.7
Dusk	59	1.6
Darkness (road lighted)	206	5.6
Darkness (road unlighted)	747	20.4
Total	**3,653**	**100.0**
Not Stated	**4**	
Grand Total	**3,657**	

	Crashes	Percent
Traffic Controls		
No Controls	323	8.9
Traffic Signals	455	12.5
Stop Sign	191	5.2
Slow/Warning Sign	56	1.5
Yield Sign	21	0.6
No Passing Zone	288	7.9
R.R. Warning Sign	2	0.1
R.R. Signals	3	0.1
R.R. Gate and Signals	3	0.1
Other	2,304	63.2
Total	**3,646**	**100.0**
Not Stated	**11**	
Grand Total	**3,657**	

Virginia Crashes Involving
Tractor-Twin Trailers



In 1989 there were:

- 0 tractor-twin-trailer occupants killed or 0.0 percent of all traffic fatalities
- 4 tractor-twin-trailer occupants injured or 0.0 percent of all traffic injuries
- 30 tractor-twin-trailer crashes or 0.0 percent of all crashes
  - 0 fatal crashes or 0.0 percent of all fatal crashes
  - 11 personal injury crashes or 0.0 percent of all personal injury crashes
  - 19 property damage crashes or 0.0 percent of all property damage crashes
  - 6 covered tractor-twin-trailer crashes or 20.0 percent of all tractor-twin-trailer crashes
- 0 persons were killed in tractor-twin-trailer crashes

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control		
Improper Passing		
Left of Center — Not Passing		
Failure to Yield	1	3.3
Inattention	5	16.7
Speed too Fast	3	10.0
Improper Turn		
Improper Lane Change		
Following too Close	2	6.7
Improper Backing		
Illegal or Improper Parking		
Lights Not On		
Hit and Run		
Avoiding Pedestrian		
Avoiding Other Vehicle	3	10.0
No Violation	13	43.3
Other	3	10.0
Total	**30**	**100.0**
Not Stated		
Grand Total	**30**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	29	100.0
Drinking—Impaired		
Drinking—Not Impaired		
Drinking—Impairment Unknown		
Total	**29**	**100.0**
Not Stated	**1**	
Grand Total	**30**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	27	93.1
Physical Defect		
Ill		
Fatigued		
Apparently Asleep	2	6.9
Other		
Total	**29**	**100.0**
Not Stated	**1**	
Grand Total	**30**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15					
16					
17					
18					
19					
20					
21-25	1			1	100.0
26-30	4			4	100.0
31-35	2	1		3	66.7
36-40	1			1	100.0
41-45	5			5	100.0
46-50	6			6	100.0
51-55	3			3	100.0
56-60	2			2	100.0
61-65	3			3	100.0
66-70					
Over 70	1			1	100.0
Unknown			1	1	
Total	**28**	**1**	**1**	**30**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	18	60.0
Turning Right		
Turning Left		
Making U-Turn		
Slowing-Stopping	2	6.7
Ran Off Road	6	20.0
Stopped in Traffic		
Backing		
Passing	1	3.3
Changing Lanes	1	3.3
Other	2	6.7
Total	**30**	**100.0**
Not Stated		
Grand Total	**30**	

	Vehicles	Percent
Vehicle Defect		
No Defect	27	90.0
Lights		
Brakes	2	6.7
Steering		
Tires		
Motor		
Other	1	3.3
Total	**30**	**100.0**
Not Stated		
Grand Total	**30**	

The Environment

	Crashes	Percent
Weather		
Clear	11	36.7
Cloudy	8	26.7
Fog	1	3.3
Mist		
Rain	5	16.7
Snow	2	6.7
Sleet	3	10.0
Smoke/Dust		
Other		
Total	**30**	**100.0**
Not Stated		
Grand Total	**30**	

	Crashes	Percent
Light		
Dawn		
Daylight	13	43.3
Dusk	4	13.3
Darkness (road lighted)		
Darkness (road unlighted)	13	43.3
Total	**30**	**100.0**
Not Stated		
Grand Total	**30**	

	Crashes	Percent
Traffic Controls		
No Controls	5	16.7
Traffic Signals	2	6.7
Stop Sign	1	3.3
Slow/Warning Sign		
Yield Sign		
No Passing Zone		
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals		
Other	22	73.3
Total	**30**	**100.0**
Not Stated		
Grand Total	**30**	

Virginia Crashes Involving **Vans**

In 1989 there were:

- 27 van occupants killed or 2.7 percent of all traffic fatalities
- 2,662 van occupants injured or 3.4 percent of all traffic injuries
- 9,618 van crashes or 6.7 percent of all crashes
  - 54 fatal crashes or 5.9 percent of all fatal crashes
  - 3,430 personal injury crashes or 6.4 percent of all personal injury crashes
  - 6,,134 property damage crashes or 6.9 percent of all property damage crashes
- 200,070 vans registered in Virginia with 4.8 percent involved in crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	259	2.7
Improper Passing	93	1.0
Left of Center — Not Passing	96	1.0
Failure to Yield	973	10.1
Inattention	1,136	11.8
Speed too Fast	473	4.9
Improper Turn	224	2.3
Improper Lane Change	96	1.0
Following too Close	592	6.1
Improper Backing	118	1.2
Illegal or Improper Parking	19	0.2
Lights Not On	4	
Hit and Run	160	1.7
Avoiding Pedestrian	9	0.1
Avoiding Other Vehicle	220	2.3
No Violation	4,464	46.3
Other	709	7.4
Total	**9,645**	**100.0**
Not Stated	**266**	
Grand Total	**9,911**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	9,166	95.0
Drinking—Impaired	266	2.8
Drinking—Not Impaired	95	1.0
Drinking—Impairment Unknown	119	1.2
Total	**9,646**	**100.0**
Not Stated	**265**	
Grand Total	**9,911**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	9,436	97.9
Physical Defect	51	0.5
Ill	12	0.1
Fatigued	31	0.3
Apparently Asleep	72	0.7
Other	34	0.4
Total	**9,636**	**100.0**
Not Stated	**275**	
Grand Total	**9,911**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	3			3	100.0
15	12	4		16	75.0
16	89	59		148	60.1
17	88	39		127	69.3
18	124	27		151	82.1
19	145	28		173	83.8
20	149	39		188	79.3
21-25	840	175		1,015	82.8
26-30	1,117	349		1,466	76.2
31-35	1,128	566		1,694	66.6
36-40	937	559		1,496	62.6
41-45	828	368		1,196	69.2
46-50	575	160	1	736	78.2
51-55	360	96		456	78.9
56-60	292	63		355	82.3
61-65	207	42		249	83.1
66-70	150	28		178	84.3
Over 70	86	9		95	90.5
Unknown	10	2	157	169	
Total	**7,140**	**2,613**	**158**	**9,911**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	4,846	49.2
Turning Right	368	2.7
Turning Left	1,039	10.5
Making U-Turn	64	0.6
Slowing-Stopping	702	7.1
Ran Off Road	680	6.9
Stopped in Traffic	1,189	12.1
Backing	174	1.8
Passing	115	1.2
Changing Lanes	367	3.7
Other	312	3.2
Total	**9,856**	**100.0**
Not Stated	**55**	
Grand Total	**9,911**	

	Vehicles	Percent
Vehicle Defect		
No Defect	9,428	97.6
Lights	24	0.2
Brakes	62	0.6
Steering	19	0.2
Tires	61	0.6
Motor	25	0.3
Other	38	0.4
Total	**9,657**	**100.0**
Not Stated	**254**	
Grand Total	**9,911**	

The Environment

	Crashes	Percent
Weather		
Clear	5,122	53.4
Cloudy	1,928	20.1
Fog	87	0.9
Mist	358	3.7
Rain	1,677	17.5
Snow	294	3.1
Sleet	125	1.3
Smoke/Dust		
Other	6	0.1
Total	**9,597**	**100.0**
Not Stated	**21**	
Grand Total	**9,618**	

	Crashes	Percent
Light		
Dawn	213	2.2
Daylight	7,212	75.1
Dusk	274	2.9
Darkness (road lighted)	1,005	10.5
Darkness (road unlighted)	898	9.4
Total	**9,602**	**100.0**
Not Stated	**16**	
Grand Total	**9,618**	

	Crashes	Percent
Traffic Controls		
No Controls	1,438	15.0
Traffic Signals	2,003	21.0
Stop Sign	1,034	10.8
Slow/Warning Sign	93	1.0
Yield Sign	166	1.7
No Passing Zone	534	5.6
R.R. Warning Sign	1	
R.R. Signals	2	
R.R. Gate and Signals	2	
Other	4,284	44.8
Total	**9,557**	**100.0**
Not Stated	**61**	
Grand Total	**9,618**	

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